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博客十年

- 04-14年博文全集

阮一峰 著

木书架出品

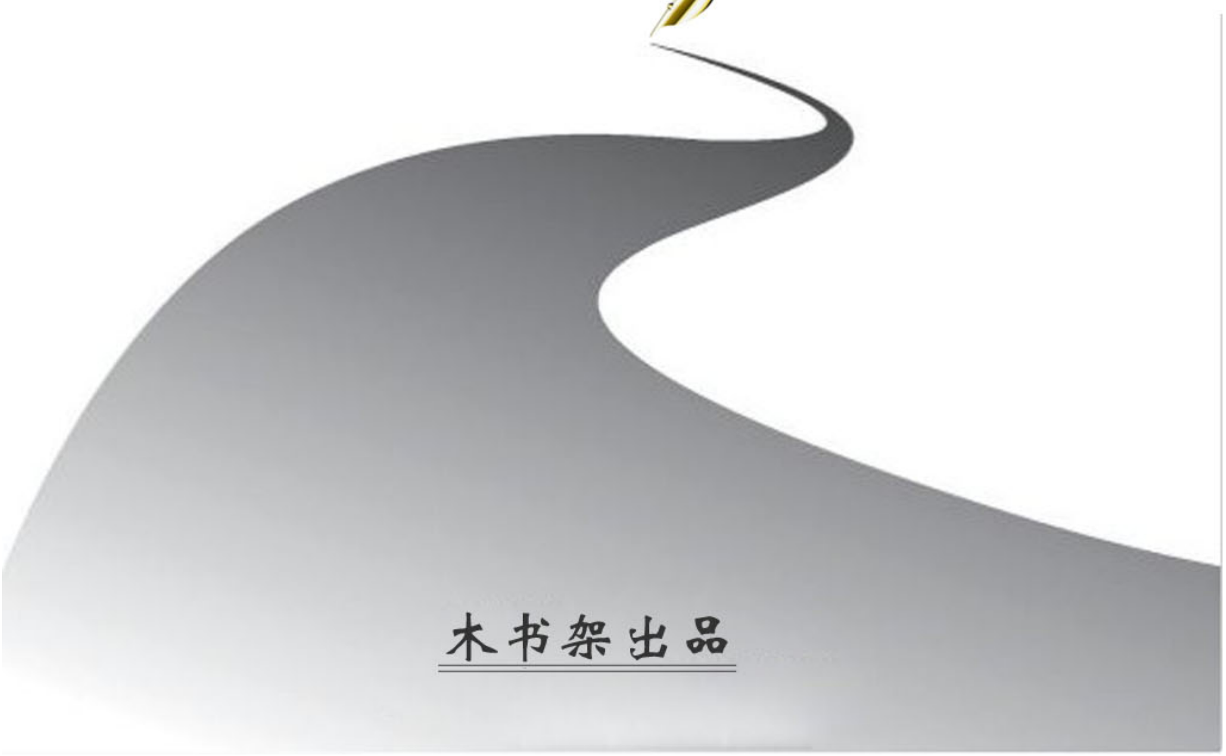
木书架

博客十年

- 04-14年博文全集

阮一峰 著





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> (As our society grows more dependent on computers, the software we run is of critical importance to securing the future of a free society. Free software is about having control over the technology we use in our homes, schools and businesses, where computers work for our individual and communal benefit, not for proprietary software companies or governments who might seek to restrict and monitor us.)

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> □We will not support legislation that reduces freedom of expression, increases cybersecurity risk or undermines the dynamic, innovative global Internet.... [any proposed legislation] must not tamper with the technical architecture of the Internet.)

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Mp3[illegible]

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[illegible]MP3[illegible]

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1987[illegible]”[illegible]”[illegible]Fraunhofer Institut[illegible]

2.

Karlheinz Brandenburg[illegible]”MP3[illegible]”[illegible]

3.

1988[illegible]1[illegible]ISO[illegible]”[illegible]”[illegible]Moving Picture Experts Group[illegible]MPEG[illegible]

4.

1992[illegible]MP3[illegible]ISO[illegible]1994[illegible]7[illegible]14[illegible] [illegible]L3enc[illegible]”.mp3”[illegible]MP3[illegible]

5.

[illegible]MP3[illegible]MP3[illegible]decoder[illegible]encoder[illegible]

6.

1997[illegible]Winamp[illegible]MP3[illegible]MP3[illegible]

7.

MP3[illegible]128Kbps[illegible]wav[illegible]11[illegible]CD[illegible]mp3[illegible]60MB[illegible]512MB[illegible]MP3[illegible]

8.

[illegible]MP3[illegible]

9.

1997[illegible]MP3[illegible]FTP[illegible]readme[illegible]”[illegible]”

10.

[illegible]MP3[illegible]MP3[illegible]

11.

1999[illegible]19[illegible]Shawn Fanning[illegible]Napster[illegible]”[illegible]”[illegible]P2P[illegible]MP3[illegible]

12.

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15.

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2007[illegible]CEO[illegible]”[illegible] DRM”[illegible]”[illegible]
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* The MP3: A History Of Innovation And Betrayal

* The History of MP3

* Wikipedia: Mp3

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2010[illegible]Kindle 3[illegible]

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> “[illegible]”[illegible]Those who fear technological advances have every reason to fear the future.[illegible]

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[illegible]`[illegible] <http://www.ruanyifeng.com/blog/2010/09/getting_rejected.html>`__

[illegible]”[illegible]”[illegible]Success is going from failure to failure without losing enthusiasm.[illegible]

[illegible]`[illegible] <http://www.ruanyifeng.com/blog/2010/03/last_words_of_a_doctoral_suicide.html>`__

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[illegible]`[illegible]Dropbox[illegible] <http://www.ruanyifeng.com/blog/2010/05/dropbox_startup_lessons_learned.html>`__

Dropbox[illegible]Drew Houston[illegible]CEO[illegible]PPT[illegible]

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2.

[illegible]2003[illegible]2002[illegible]Email[illegible]

[illegible]2003[illegible]4[illegible]28[illegible]

“From: “Wa Wa”

Sent: 2003-04-28 22:38:32

Subject: [illegible]

[illegible]wawa2046@tom.com [illegible]

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[illegible]2004[illegible]6[illegible]1[illegible]

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[illegible]James Quinn

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[illegible]2010[illegible]9[illegible]16[illegible]

[illegible]http://seekingalpha.com/article/225460-when-japan-collapses

1.

[illegible]GDP[illegible]200%[illegible]

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Here is an enormous, an incalculable force …

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let loose suddenly upon mankind;

[illegible]

exercising all sorts of influences, social, moral, and political;

[illegible]

precipitating upon us novel problems which demand immediate solutions;

[illegible]

banishing the old, before the new is half matured to replace it;

[illegible]

bringing the nations into close contact before yet the antipathies of race have begun to be eradicated;

[illegible]

giving us a history full of changing fortunes and rich in dramatic period.

[illegible]

Yet, with the curious hardness of a material age,

[illegible]

we rarely regard this new power otherwise than as a money-getting and time-saving machine…

[illegible]

not many of those … who fondly believe they control it, ever stop to think of it as … the most tremendous and far-reaching engine of social change which has ever either blessed or cursed mankind. …

[illegible]……

Perhaps if the existing community would take now and then the trouble to pass in review the changes it has already witnessed,

[illegible]

it would be less astounded at the revolutions which continually do and continually must flash before it;

[illegible]

perhaps also it might with more grace accept the inevitable,

[illegible]

and cease from the use-less attempts at making a wholly new world conform itself to the rules and theories of a bygone civilization.

[illegible]

[illegible]Charles Adams`[illegible]*The Railway System*[illegible] *<http://books.google.com/books?id=cj1wyEgiWawC&lpg=PA335&dq=%22Here%20is%20an%20enormous%2C%20an%20incalculable%20force%22&pg=*

PA336#v=onepage&q=%22Here%20is%20an%20enormous ,%20an%20incalculable%20force%22&f=false>`__[illegible]

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|image2|

4.

[illegible]3005[illegible]

|image3|

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|image8|

10.

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[illegible]280[illegible]260[illegible]540[illegible]

[illegible]……[illegible]

|image9|

11.

[illegible]

[illegible]1976[illegible]11[illegible]40[illegible]2000[illegible]
POS[illegible]2003[illegible]2005[illegible]9[illegible]

|image10|

12.

2009[illegible]5[illegible]30[illegible]

[illegible]6[illegible]6[illegible]6[illegible]12[illegible]2010[illegible]2[illegible]

[illegible]2010[illegible]5[illegible]8[illegible]30%[illegible]

[illegible]2[illegible]2009[illegible]5[illegible]21[illegible]

[illegible]

|image11|

13.

[illegible]28[illegible]28[illegible]

[illegible]

|image12|

14.

[illegible]

[illegible]5[illegible]2[illegible]

|image13|

15.

[illegible]

[illegible]2800[illegible]

|image14|

16.

[illegible]5[illegible]

[illegible]3600[illegible]7200[illegible]

|image15|

17.

[illegible]20000[illegible]5000[illegible]1500[illegible]12500[illegible]

|image16|

18.

[illegible]
2800+3600*2+20000=3[illegible]

[illegible]30[illegible]20[illegible]5000[illegible]5[illegible]10000[illegible]

[illegible]30[illegible]

[illegible]

|image17|

19.

[illegible]15[illegible]

|image18|

20.

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|image19|

21.

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23.

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|image24|

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[illegible]622202 1001068165205
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Note

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http://www.ruanyifeng.com/blog/2010/07/saving_the_boy_ma_lizhi.html □□: □□□

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ruanyifeng.com

[illegible]

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[illegible]Lokesh Dhakar[illegible][illegible][illegible]

[illegible]/[illegible]/[illegible]/Espresso

[illegible]

[illegible]/[illegible]/Americano

1[illegible]+2[illegible]

[illegible]/Flat White

1[illegible]+1.5[illegible]

[illegible]/[illegible]/Macchiato

1[illegible]+0.5[illegible]

[illegible]/[illegible]/Con Panna

1[illegible]+0.5[illegible]

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In the calling out to one another Of the lovers up and down the

strand In the sound of the waves and the cries Of the seagulls circling the sand In the fragments of the songs Carried down the wind from some radio | In the murmuring of the city in the distance | Ominous and low

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I hear the sound of the world where we played
And the far too simple beauty
Of the promises we made
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If you ever need holding Call my name, I’ll be there If you ever

need holding | And no holding back, I’ll see you through | Sky blue and black

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□□American Songwriter□□□□Jackson Browne□□□□□□□□□□□□□□□□□□Pacific Coast Highway□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2010/07/sky_blue_and_black.html □□: □□□

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2008[illegible]12[illegible]"[illegible]"[illegible]

[illegible]

2010-07-08

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2010[illegible]7[illegible]8[illegible]

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1 [illegible]BY [illegible] / 2010[illegible]4[illegible] / [illegible] / 45.00 / [illegible]

2 [illegible]BY [illegible] / 2010-01-01 / [illegible] / 32.00 / [illegible]

3 [illegible]:[illegible]1[illegible]2049[illegible]BY [illegible] / 2010-1-1 / [illegible] / 42.00 / [illegible]

4 □□□□□□□BY □□□ / □□□ / 2009□10□□□□ / □□□□□□□ / 28.00□ / □□

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6 □□□□□□BY □□□ / □□□□□□□ / □□□□□□□□□□ / 26.00 / □□

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9 □□□□□□BY □□ / 2009□7□□□□ / □□□□□ / □□□□□1995-2009 / 59.00 / □□

10 □□□□□BY □□ / 2009□7□□□□ / □□□□□ / 29.0 / □□ / 193 □

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17 □□□□□BY □□□ / 2009□4□□□□ / □□□□□□□ / □□□□□□□□□□ / 35.00 / □□

18 □□□□□□□□□□□1979-2009□□□□BY □□□ / 2009-4-1 / □□□□□ / 42.00 / □□

19 □□□□□□□BY □□ / 2009□3□□□□ / □□□□□ / □□□□□ / 39.00 / □□

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41 □□15□——□□□□□BY □□□ / 2008-4-1 / □□□□□ / 38.0 / □□

42 □□□□□□□□BY □□ / □□□ / 2008-8-1 / □□□□□ / 42.0 / □□

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> These attacks and the surveillance they have uncovered—combined with the attempts over the past year to further limit free speech on the web—have led us to conclude that we should review the feasibility of our business operations in China.
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> “[illegible]Gmail[illegible]
>
> We have decided we are no longer willing to continue censoring our results on Google.cn, and so over the next few weeks we will be discussing with the Chinese government the basis on which we could operate an unfiltered search engine within the law, if at all.
>
> [illegible]Google.cn[illegible]
>
> We recognize that this may well mean having to shut down Google.cn, and potentially our offices in China.
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> We believe that we have changed something. Not just us, but all of us. We didnt just wanna run another tracker. We wanted it to mean something. And you our users have helped us with that. The history of the bay is still being written, it’s way to early for a conclusion.

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I am struggling to make this country better, and at the same time, I am optimistic about China’s future.

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[illegible]George Lee

[illegible]

DEAR Mr. Liddy,

[illegible] Mr. Liddy[illegible]

It is with deep regret that I submit my notice of resignation from A.I.G. Financial Products. I hope you take the time to

read this entire letter. Before describing the details of my decision, I want to offer some context:

[illegible]”AIG [illegible]”[illegible]AIG-FP[illegible]

I am proud of everything I have done for the commodity and equity divisions of A.I.G.-F.P. I was in no way involved in — or responsible for — the credit default swap transactions that have hamstrung A.I.G. Nor were more than a handful of the 400 current employees of A.I.G.-F.P. Most of those responsible have left the company and have conspicuously escaped the public outrage.

[illegible] AIG-FP [illegible]AIG[illegible] CDS [illegible] AIG-FP [illegible]400[illegible]

After 12 months of hard work dismantling the company — during which A.I.G. reassured us many times we would be rewarded in March 2009 — we in the financial products unit have been betrayed by A.I.G. and are being unfairly persecuted by elected officials. In response to this, I will now leave the company and donate my entire post-tax retention payment to those suffering from the global economic downturn. My intent is to keep none of the money myself.

[illegible]12[illegible]——[illegible]2009[illegible]3[illegible]——[illegible] AIG-FP [illegible]

I take this action after 11 years of dedicated, honorable service to A.I.G. I can no longer effectively perform my duties in this dysfunctional environment, nor am I being paid to do so. Like you, I was asked to work for an annual salary of $1, and I agreed out of a sense of duty to the

company and to the public officials who have come to its aid. Having now been let down by both, I can no longer justify spending 10, 12, 14 hours a day away from my family for the benefit of those who have let me down.

[illegible]11[illegible]1[illegible]10[illegible]12[illegible] 14[illegible]

You and I have never met or spoken to each other, so I'd like to tell you about myself. I was raised by schoolteachers working multiple jobs in a world of closing steel mills. My hard work earned me acceptance to M.I.T., and the institute's generous financial aid enabled me to attend. I had fulfilled my American dream.

[illegible]

I started at this company in 1998 as an equity trader, became the head of equity and commodity trading and, a couple of years before A.I.G.'s meltdown last September, was named the head of business development for commodities. Over this period the equity and commodity units were consistently profitable — in most years generating net profits of well over $100 million. Most recently, during the dismantling of A.I.G.-F.P., I was an integral player in the pending sale of its well-regarded commodity index business to UBS. As you know, business unit sales like this are crucial to A.I.G.'s effort to repay the American taxpayer.

1998[illegible]AIG[illegible]1[illegible]

[illegible] AIG-FP [illegible]
[illegible]AIG[illegible]

The profitability of the businesses with which I was associated clearly supported my compensation. I never received any pay resulting from the credit default swaps that are now losing so much money. I did, however, like many others here, lose a significant portion of my life savings in the form of deferred compensation invested in the capital of A.I.G.-F.P. because of those losses. In this way I have personally suffered from this controversial activity — directly as well as indirectly with the rest of the taxpayers.

[illegible] CDS [illegible]
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I have the utmost respect for the civic duty that you are now performing at A.I.G. You are as blameless for these credit default swap losses as I am. You answered your country’s call and you are taking a tremendous beating for it.

[illegible]AIG[illegible]CDS[illegible]
[illegible]

But you also are aware that most of the employees of your financial products unit had nothing to do with the large losses. And I am disappointed and frustrated over your lack of support for us. I and many others in the unit feel betrayed that you failed to stand up for us in the face of untrue and unfair accusations from certain members of Congress last Wednesday and from the press over our retention payments, and that you didn’t defend us against the baseless and reckless comments made by the attorneys general of New York and Connecticut.

[illegible]AIG-FP[illegible]

My guess is that in October, when you learned of these retention contracts, you realized that the employees of the financial products unit needed some incentive to stay and that the contracts, being both ethical and useful, should be left to stand. That’s probably why A.I.G. management assured us on three occasions during that month that the company would “live up to its commitment” to honor the contract guarantees.

[illegible]10[illegible]AIG-FP[illegible]

That may be why you decided to accelerate by three months more than a quarter of the amounts due under the contracts. That action signified to us your support, and was hardly something that one would do if he truly found the contracts “distasteful.”

[illegible]3[illegible]”[illegible]”[illegible]([illegible]AIG CEO [illegible])

That may also be why you authorized the balance of the payments on March 13.

[illegible]3[illegible]13[illegible]

At no time during the past six months that you have been leading A.I.G. did you ask us to revise, renegotiate or break these contracts — until several hours before your appearance last week before Congress.

[illegible]6[illegible]AIG[illegible]

I think your initial decision to honor the contracts was both ethical and financially astute, but it seems to have been politically unwise. It’s now apparent that you either misunderstood the agreements that you had made — tacit or otherwise — with the Federal Reserve, the Treasury, various members of Congress and Attorney General Andrew Cuomo of New York, or were not strong enough to withstand the shifting political winds.

[illegible]

You’ve now asked the current employees of A.I.G.-F.P. to repay these earnings. As you can imagine, there has been a tremendous amount of serious thought and heated discussion about how we should respond to this breach of trust.

[illegible] AIG-FP [illegible]

As most of us have done nothing wrong, guilt is not a motivation to surrender our earnings. We have worked 12 long months under these contracts and now deserve to be paid as promised. None of us should be cheated of our payments any more than a plumber should be cheated after he has fixed the pipes but a careless electrician causes a fire that burns down the house.

[illegible]12[illegible]

Many of the employees have, in the past six months, turned down job offers from more stable employers, based on A.I.G.’s assurances that the contracts would be honored. They are now angry about having been misled by A.I.G.’s promises and are not inclined to return the money as a favor to you.

[illegible] AIG [illegible] AIG [illegible]

The only real motivation that anyone at A.I.G.-F.P. now has is fear. Mr. Cuomo has threatened to “name and shame,” and his counterpart in Connecticut, Richard Blumenthal, has made similar threats — even though attorneys general are supposed to stand for due process, to conduct trials in courts and not the press.

[illegible]”[illegible]”[illegible]

So what am I to do? There’s no easy answer. I know that because of hard work I have benefited more than most during the economic boom and have saved enough that my family is unlikely to suffer devastating losses during the current bust. Some might argue that members of my profession have been overpaid, and I wouldn’t disagree.

[illegible]

That is why I have decided to donate 100 percent of the effective after-tax proceeds of my retention payment directly to organizations that are helping people who are suffering from the global downturn. This is not a tax-deduction gimmick; I simply believe that I at least deserve

to dictate how my earnings are spent, and do not want to see them disappear back into the obscurity of A.I.G.’s or the federal government’s budget. Our earnings have caused such a distraction for so many from the more pressing issues our country faces, and I would like to see my share of it benefit those truly in need.

[illegible]100%[illegible]AIG [illegible]

On March 16 I received a payment from A.I.G. amounting to $742,006.40, after taxes. In light of the uncertainty over the ultimate taxation and legal status of this payment, the actual amount I donate may be less — in fact, it may end up being far less if the recent House bill raising the tax on the retention payments to 90 percent stands. Once all the money is donated, you will immediately receive a list of all recipients.

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This choice is right for me. I wish others at A.I.G.-F.P. luck finding peace with their difficult decision, and only hope their judgment is not clouded by fear.

[illegible]AIG-FP[illegible]

Mr. Liddy, I wish you success in your commitment to return the money extended by the American government, and luck with the continued unwinding of the company’s diverse businesses — especially those remaining credit default swaps. I’ll continue over the short term to help make sure

no balls are dropped, but after what’s happened this past week I can’t remain much longer — there is too much bad blood. I’m not sure how you will greet my resignation, but at least Attorney General Blumenthal should be relieved that I’ll leave under my own power and will not need to be “shoved out the door.”

Liddy[illegible]AIG[illegible] CDS [illegible]”[illegible]”[illegible]

Sincerely,

Jake DeSantis [illegible]

[illegible]

[illegible]Jake DeSantis[illegible]”[illegible]”[illegible]

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> Snow was general all over Ireland.

> It lay thickly drifted on the crooked crosses and headstones, on the spears of the little gate, on the barren thorns.

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His soul swooned slowly as he heard the snow falling faintly through the universe and faintly falling, like the descent of their last end, upon all the living and the dead.

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[illegible]Don’t waste your life[illegible]

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Note

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http://www.ruanyifeng.com/blog/2008/12/my_state_of_the_chinese_edition_of_the_next_great_bubble_boom.html :

: http://www.me115.com

“[illegible]”[illegible]Chinese Democracy

ruanyifeng.com

[illegible]”Guns n Roses”[illegible]*Chinese Democracy*[illegible]

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“[illegible]”[illegible]*November Rain*[illegible]*Don’t Cry*[illegible]*Chinese Democracy*[illegible]

[illegible]”[illegible]”[illegible]Axl Rose[illegible]14[illegible]heavy metal[illegible]

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[illegible]Axl Rose[illegible]17[illegible]

image2

[illegible]*Chinese Democracy*[illegible]wikipedia[illegible]

Even with an iron fist Our baby got to rule the

nation | But all I got is precious time |

You think you got it all locked up inside

And if you beat them all up they'll die Then you'll walk them home for the cells Then now you'll dig for your road back to hell As if your eyes were their eyes you can tell | In your lack of time |

Note

: http://www.ruanyifeng.com/blog/2008/11/guns_n_roses_new_album_chinese_democracy.html :

: http://www.me115.com

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> Hello sir,
> I thought you might enjoy my new post about the two schools of
>
> thought on how China will be hit by the global financial crisis. One side says hard landing, the other says soft. I am praying for a soft landing, of course, and think that is more likely: http://www.pekingduck.org/2008/11/china-calamity-or-calm-wapo-vs-nyt/. Take care - | Richard Burger

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> Hi, Richard,
>
> Nice to receive your mail. Frankly speaking, I never expect you would write to me.
>
> If you are interested in my opinion, I tell you, I do NOT think those infrastructure investment from Chinese govnerment is the solution to the coming Great Depression. The reason is very simple: if common Chinese people still are reluctant to make consumption instead of save money in the future, every policy stimulus is useless. The only effective way to fight the crisis is to make the poor have more money to spend, but this is the last thing Chinese government will do.

Actually, I hope the crisis will bring us a revolution.

Regards.

Ruanyf
2008.11.09

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http://www.ruanyifeng.com/blog/2008/11/floor_level_of_chinese_economy_growth.html □□: □□□

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   [illegible]

2. 2008-10-09 23:04:26 [illegible]

   [illegible]

3. 2008-10-08 07:57:47 [illegible] IP:123.128.58

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4. 2008-10-08 06:13:18 [illegible] IP:119.39.254.*

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5. 2008-10-08 09:19:23 [illegible] IP:221.226.153.*

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6. 2008-10-08 08:53:49 [illegible] IP:123.122.98.*

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7. 2008-10-08 17:37:53 [illegible] IP:221.221.68.*

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8. 2008-10-09 22:23:06 [illegible] IP:221.216.84.*

   [illegible]

9. 2008-10-09 15:19:53 [illegible] IP:125.34.5.*

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10. 2008-10-09 10:28:21 [illegible] IP:220.178.60.*

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[illegible]: http://www.ruanyifeng.com/blog/2008/10/the_most_luxury_school_in_shanghai.html [illegible]: [illegible]

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[illegible]Peking Duck[illegible]2008[illegible]10[illegible]3[illegible]”[illegible]”[illegible]Not because it’s necessarily right, but because it’s fascinating to see where we actually stand four years after the writer’s prediction.[illegible]

[illegible]

> Unless there is an unforeseen banking, currency, or a derivative crisis spreading throughout the world, it is my belief that the Chinese bust will occur sometime in 2008-2009, since the Chinese government will surely pursue expansionary policies until the 2008 Summer Olympic Games in China.
>
> [illegible]2008-2009[illegible]
>
> By then, inflation will be most likely out of control, probably already in runaway mode, and the government will have no choice but to slam the brakes and induce contraction.
>
> [illegible]
>
> In 1929 the expansion stopped in July, the stock market broke in October, and the economy collapsed in early 1930. Thus, providing for a latency period of

approximately half a year between credit contraction and economic collapse, based on my Olympic Games timing, I would pinpoint the bust for 2009. Admittedly, this is a pure speculation on my part; naturally, the bust could occur sooner or later.

1929[illegible]7[illegible]10[illegible]1930[illegible]
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[illegible]2009[illegible]

[illegible]Krassimir Petrov[illegible]Ohio[illegible]

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[illegible]Krassimir Petrov[illegible]

> it is clear that China travels today the road to Depression.
>
> [illegible]
>
> How severe this depression will be, will critically depend on two developments.
>
> [illegible]
>
> First, how much longer the Chinese government will pursue the inflationary policy, and second how doggedly it will fight the bust. The longer it expands and the more its fights the bust, the more likely it is that the Chinese Depression will turn into a Great Depression.
>
> [illegible]

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[illegible]1917[illegible]1933[illegible]

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http://www.ruanyifeng.com/blog/2008/10/chinas_great_depression.html [illegible]: [illegible]

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[illegible]: http://www.ruanyifeng.com/blog/2008/10/google_10th_birthday_and_my_last_10_years.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Are we falling or flying?

ruanyifeng.com

Did you watch Grey’s Anatomy — the most popular TV drama in US now?

If you did, you likely remember a beautiful song titled “falling or flying” featured in one episode.

Everytime I listened to it, I am always touched by its lyrics:

> Are we falling or flying? Are we falling or flying?
> Are we living or dying?
> I guess we’ll never know
> The air’s so heavy
> It could drown a butterfly
> If it flew too high
> Are we falling or flying? Are we falling or flying?
> Are we living or dying?
> I guess we’ll never know

All my 30-year life is just like the song title: flying dreams and irresistible downfalls.

image0

This afternoon, I received a mobile call from the government (as

alleged). On the phone, a man told me with a polite tone, but you can obviously feel a kind of intangible and perceptible intimidation within, that a recent my blog entry is NOT allowed to publish on the internet, so it has to be deleted as soon as possible. | Without any oral resistance,

even without asking why, I deleted the article as soon as possible, like a silent lamb.

The man said “Thank you”, hang up the phone.

I felt great shame for my humiliating tameness. Although this blog is hosted on an oversea server without the danger of unplugged, I am afraid that they would block the visitors from China, and I am more afraid that they would come to my home. So I did what they asked me to do.

In last 5 years, It is the first time that I deleted my own article after publication on this blog. Even you are an independent blogger, they still can control you. …I am so sad.

Now, the final decision is I will NOT criticize or talk of the Chinese Politics here anymore…. I know it is a regrettable decision, but it is certainly the right time for me to do something else.

In fact, I feel I have said more than enough about the horrible and woeful Chinese dark reality. All my words did not make any difference. Evil is still evil, China is still China. Nothing happens, nothing changes. In the end, I am tired of saying it again and again, and now I gave up.

In the future, I will only write some reading thoughts and technical notes here, and want to do something new which can really change something old. Let us see what will happen…. There is a sentence from the deleted article I will never ever forget, which is “STRUGGLING FOR A NEW CHINA”.

image1

The following is one of my all-time favorite songs: Elton John’s Rocket Man.

Just like he sang:

> It’s lonely out in space
> On such a timeless flight
> And I think it’s gonna be a long long time Till touch down brings
>
> me round again to find I’m not the man they think I am at home | Oh no no no I’m a rocket man | Rocket man burning out his fuse up here alone
>
> And I think it’s gonna be a long long time…

This is a road much longer than I thought. If we are lucky to have the day finally reaching the end, it’s gonna be a long long time…

ruanyifeng.com

Evernote

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□□□□: http://www.ruanyifeng.com/blog/2008/09/are_we_falling_or_flying.html □□: □□□

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ruanyifeng.com

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> [illegible]

[illegible][illegible]The Spectator[illegible]

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> We only had a few seconds left to get ready.
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> [illegible]
>
> There were 91,000 people in the stadium and (allegedly) about 1.5 billion watching apathetically at home.
>
> [illegible]91000[illegible]15[illegible]
>
> I advanced to the little plastic sign on the red carpet saying ‘Mayor of London’, and as we waited to be called

to the centre of the arena I decided I had better spruce myself up.

[illegible]”[illegible]”[illegible]

Now the crowd were roaring and waving their red light sabres, and hastily I got out my wallet, mobile, keys, and all the other clobber that might impair my flag-waving performance, and handed them to a chap on my left.

[illegible]

I rolled my shoulders like Rocky, and rehearsed the agenda again in my head. What could possibly go wrong? Take flag, get red circle out to left, wave four times, hand flag to flag-bearer. Piece of cake.

[illegible]

Just as I had it taped, just as I was in the zone, I became aware of a chap beaming and pointing at his midriff. Then another chap was pointing at me, jabbing his finger in the direction of my stomach. Was I too fat? Was I insufficiently Olympian?

[illegible]

‘Button,’ said the chap. ‘Do up button.’

“[illegible]”[illegible]”[illegible]”

I looked and saw that my fellow performers on the podium all had their jackets done up, and so did my charming Beijing counterpart, Mayor Guo. I reached instinctively for my middle button, and then thought, sod it.

[illegible]

I checked swiftly with the chap from the International Olympic Committee, and no, there is no Olympic jacket-button protocol. Open or shut: it’s up to you.

[illegible]

I was going to do it my way, and on the matter of jacket buttons I was going to follow a policy of openness, transparency and individual freedom.

[illegible]

I am sad to see that some Chinese bloggers are now attacking me for my ‘lack of respect’, since there was no disrespect intended. It’s just that there are times when you have to take a stand.

[illegible]”[illegible]”[illegible]

[illegible]

[illegible]”Renshi ni hen gaoxing.”[illegible]”Thank you very much.”

[illegible]

‘Who are we going to see?’ whispered Seb Coe as we were ushered into the VIP sanctum of the Bird’s Nest stadium, a place of thick snowy carpet and a horseshoe of white armchairs. ‘We’re gonna see Hu,’ I whispered back. ‘Who?’ ‘Hu.’ Before I could elucidate further we were shaking hands with the Paramount Leader of the People’s Republic of China, general-secretary of the Chinese Communist Party and Chairman of the Central Military Commission, the 65-year-old Hu Jintao. For the last couple of hours I had been practising a phrase I had learned from my brother Max, who speaks fluent Mandarin. ‘He’ll love it,’ said Max. ‘It means, Very pleased to meet you.’ So it was with great excitement that I took the hand of the Chinese leader — a kindly-looking man with glossy black hair — and blurted my line. ‘Renshi ni hen gaoxing,’ I gushed, scanning his face for approval. ‘Thank you very much,’ he said, which was pleasing, though I think he said the same to Seb. **We also met Jiang Zemin, the former paramount leader, and Hu’s predecessor. The workings of the Chinese Communist Party are of huge importance to geopolitics, and far from clear. Why is Jiang still knocking around? How did he become less paramount than Hu? Who knows? And Hu knows.**

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I would remind you that Geoffrey Howe is said to have greeted Brezhnev with the words ‘How are you?’, to which the Russian brilliantly riposted, ‘No, no, you are Howe!’

[illegible]wikipedia[illegible]

[illegible]Try as I might, I could not look at an overhead projection of a growth profit matrix, and stay conscious.[illegible]British Academy Television Award[illegible]2004[illegible]72[illegible]Seventy-Two Virgins[illegible]

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[illegible]Foreign Policy[illegible][10[illegible]]（The 10 Worst Chinese Laws）[illegible]

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9. Consumer Protection Law, Chapter II, Articles 7 and 8

[illegible]

What it says: Companies are expected to maintain safety standards currently established by other companies, and businesses can’t be punished for falling behind raised standards established by goods entering the market at a later time.

What it does: Safety standards and laws fluctuate with shifts in the market. Thus, there are no objective mandates for consumer product safety. After last summer’s string of product recalls, the U.S. and Chinese product safety agencies met to discuss new measures, including banning

the use of lead paint in toys exported to the United States. Still, there is little hope for progress unless Chinese local authorities stop haphazardly enforcing rules and regulations.

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[illegible]Peking Duck[illegible][[illegible]Olympic round-up[illegible]][illegible]

> China's array of medals and prizes was produced out of the sweat, tears, and lives of generations of athletes and paralympians...**You can't use the achievements of our young people to cover up or to dilute the mistakes of the country's leaders.**
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> URUMQI, Aug. 4 (Xinhua) — Sixteen policemen were killed and 16 others were injured after a border patrol armed police division in northwest China’s Xinjiang Uygur Autonomous Region was raided Monday morning.
>
> Two attackers, who drove a tip lorry to break into the police station in Kashi at about 8 a.m. were arrested, according to the police source.
>
> They threw two grenades, causing explosion.

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More-and-more China is being seen as a threat to the hopes and plans of democracies around the world.

[illegible]

Chinese politicians are viewed as attempting to spread the theory of economic success through a strong and autocratic central state, which could convince the leaders of poor states without strong rule of law to reverse fragile democratic laws and cement their rule

with the excuse that it would make their economies better.

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[illegible]”[illegible]”[illegible]

[illegible]”[illegible]”[illegible]But let justice rolls down like waters, and righteousness like a mighty stream! [illegible][illegible][illegible]

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[illegible]·[illegible]Hilary Swank[illegible]”[illegible]”[illegible]I think you’re hot.[illegible]

[illegible]

> Sorry, I have a syndrome. I don’t really have a filter. I don’t pick up on social cues.
>
> [illegible]

[illegible]syndrome[illegible]social cues[illegible]filter[illegible]

[illegible]syndrome[illegible]

> You mean you’re rude?
>
> [illegible]

[illegible]

> Yeah, but now it’s a disease I can take medication for.
>
> [illegible]

[illegible]OK[illegible]

You’re a terrible singer. I’d be really embarrassed if I were you.

[illegible]

[illegible]

Did you take your medication today?

[illegible]

[illegible]

No, I thought I’d come here instead.

[illegible]

[illegible]

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[illegible]Beijing’s Water Crisis: 1949 — 2008 Olympics[illegible]PDF[illegible]670K[illegible]

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2[illegible]Beijing Water Bureau[illegible]20~24.5[illegible]/[illegible]24.5[illegible]/[illegible]

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[illegible]Peking Duck[illegible]

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（Love in the time of cholera）。

|image0|

|image1|

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IMDB ”。”（If I had to choose between cholera and sitting through this movie again, I’d choose cholera, it’s far less painful.）

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” ” ……

The music stopped after midnight, the voices of the passengers dispersed and broke into sleepy whispers, and two hearts, alone in the shadows on the deck, were beating in time to the breathing of the ship.

[illegible]

After a long while, Florentino Ariza looked at Fermina Daza by the light of the river.

[illegible]

She seemed ghostly, her sculptured profile softened by a tenuous blue light, and he realized that she was crying in silence.

[illegible]

But instead of consoling her or waiting until all her tears had been shed, which is what she wanted, he allowed panic to overcome him.

[illegible]

“Do you want to be alone?” he asked.

“[illegible]”[illegible]

“If I did, I would not have told you to come in,” she said.

“[illegible]”[illegible]

Then he reached out with two icy fingers in the darkness, felt for the other hand in the darkness, and found it waiting for him.

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1994[illegible]·[illegible]Carl Sagan[illegible]pale blue dot[illegible]

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> Look again at that dot.
>
> [illegible]
>
> That’s here. That’s home. That’s us.
>
> [illegible]
>
> On it everyone you love, everyone you know, everyone you ever heard of, every human being who ever was, lived out their lives.
>
> [illegible]

The aggregate of our joy and suffering, thousands of confident religions, ideologies, and economic doctrines, every hunter and forager, every hero and coward, every creator and destroyer of civilization, every king and peasant, every young couple in love, every mother and father, hopeful child, inventor and explorer, every teacher of morals, every corrupt politician, every “superstar,” every “supreme leader,” every saint and sinner in the history of our species lived there—on a mote of dust suspended in a sunbeam.

[illegible]

The Earth is a very small stage in a vast cosmic arena.

[illegible]

Think of the rivers of blood spilled by all those generals and emperors so that, in glory and triumph, they could become the momentary masters of a fraction of a dot.

[illegible]

Think of the endless cruelties visited by the inhabitants of one corner of this pixel on the scarcely distinguishable inhabitants of some other corner, how frequent their misunderstandings, how eager they are to kill one another, how fervent their hatreds.

[illegible]

Our posturings, our imagined self-importance, the delusion that we have some privileged position in the Universe, are challenged by this point of pale light.

[illegible]

Our planet is a lonely speck in the great enveloping cosmic dark.

[illegible]

In our obscurity, in all this vastness, there is no hint that help will come from elsewhere to save us from ourselves.

[illegible]

The Earth is the only world known so far to harbor life.

[illegible]

There is nowhere else, at least in the near future, to which our species could migrate.

[illegible]

Visit, yes. Settle, not yet.

[illegible]

Like it or not, for the moment the Earth is where we make our stand.

[illegible]

It has been said that astronomy is a humbling and character-building experience.

[illegible]

There is perhaps no better demonstration of the folly of human conceits than this distant image of our tiny world.

[illegible]

To me, it underscores our responsibility to deal more kindly with one another, and to preserve and cherish the pale blue dot, the only home we’ve ever known.

[illegible]

—Carl Sagan, Pale Blue Dot, 1994

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annual_death_toll_in_china.html □□: □□□

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http://www.ruanyifeng.com/blog/2008/05/red_cross_society_of_china.html □□: □□□

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What can men do against such reckless hate?

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> So much death. What can men do against such reckless hate?

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http://www.ruanyifeng.com/blog/2008/04/sweeping_a_grave_in_suzhou.html

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Paul Graham[illegible]

> I grew up in a time where college degrees seemed really important, so I’m alarmed to be saying things like this, but there’s nothing magical about a degree. There’s nothing that magically changes after you take that last exam. The importance of degrees is due solely to the administrative needs of large organizations. These can certainly affect your life—it’s hard to get into grad school, or to get a work visa in the US, without an undergraduate degree—but tests like this will matter less and less.
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Americans have been living better than they should—which is by definition the case when a nation's total consumption is greater than its total production, as America's now is. Economists will also point out that, despite the glitter of China's big cities and the rise of its billionaire class, China's people have been living far worse than they could.That's what it means when a nation consumes only half of what it produces, as China does.

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What’s left is to prepare for what we find at the end of the path we have taken.

Note

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http://www.ruanyifeng.com/blog/2008/01/why_chinese_lov

e_saving_money.html □□: □□□

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Daniele Mattioli [illegible]

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One major pollutant contributing to China’s bad air is particulate matter, which includes concentrations of fine dust, soot and aerosol particles less than 10 microns in diameter (known as PM 10).

[illegible]10[illegible]PM 10[illegible]

The level of such particulates is measured in micrograms per cubic meter of air.

[illegible]1[illegible]

The European Union stipulates that any reading above 40 micrograms is unsafe.

[illegible]40[illegible]

The United States allows 50.

[illegible]50[illegible]

In 2006, Beijing’s average PM 10 level was 141, according to the Chinese National Bureau of Statistics.

[illegible]**2006**[illegible]**141**[illegible]

Only Cairo, among world capitals, had worse air quality as measured by particulates, according to the World

Bank.

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[illegible]**[illegible]**（As China Roars, Pollution Reaches Deadly Extremes）[illegible]

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[illegible]”[illegible]“（A series of articles and multimedia examining the human toll, global impact and political challenge of China’s epic pollution crisis.）

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> For the Communist Party, the political calculus is daunting. Reining in economic growth to alleviate pollution may seem logical, but the country’s authoritarian system is addicted to fast growth. Delivering prosperity placates the public, provides spoils for well-connected officials and forestalls demands for political change. A major slowdown could incite social unrest, alienate business interests and threaten the party’s rule.
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China’s authoritarian system has repeatedly proved its ability to suppress political threats to Communist Party rule. But its failure to realize its avowed goals of balancing economic growth and environmental protection is a sign that the country’s environmental problems are at least partly systemic, many experts and some government officials say. China cannot go green, in other words, without political change.

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1.

China’s industrial growth depends on coal, plentiful but polluting, from mines like this one in Shenmu, Shaanxi Province, behind a village store.

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|nytimes05.jpg|

2.

A worker pauses to shield his eyes while moving coal in Ningxia Province.

[illegible]

|nytimes21.jpg|

3.

Smoke rises over a coal mine near Pingru in Shanxi Province.

[illegible]

|nytimes04.jpg|

4.

Water filled with coat dust at a coal company in Ningxia Province.

[illegible]

|nytimes12.jpg|

5.

Migrant workers construct part of a bridge that will connect Ningxia and Inner Mongolia.

[illegible]

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6.

Construction in Bai Sha Town in Henan Province.

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|nytimes07.jpg|

7.

Construction for the 2008 Olympics in Beijing, where official are trying to reduce air pollution.

[illegible]2008[illegible]

|nytimes11.jpg|

8.

Traffic in Guangzhou. Expanding car ownership has played a major role in China’s pollution problem.

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|nytimes10.jpg|

9.

Only 1 percent of China’s 560 million urban dwellers breathes air considered safe by the European Union.

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|nytimes03.jpg|

10.

This family of migrants moved to Ningxia Province from Inner Mongolia so that the father could work at a nearby factory.

[illegible]

|nytimes08.jpg|

11.

A cloud of exhaust at a coal-fired steel factory in Shanxi Province. At a facility like this, smoke of any color other than white is toxic.

|nytimes15.jpg|

12.

A worker moves bags of cement at a factory in Ningxia. China now produces half of the world’s cement and flat glass.

|nytimes02.jpg|

13.

Workers at Shuizuishan Tianhe Ferroalloy Company produce a silicon steel alloy in Ningxia.

|nytimes18.jpg|

14.

Construction of a floating bridge will allow more traffic between Inner Mongolia and Ningxia’s steel and power plants.

|nytimes14.jpg|

15.

Pollution and algae blooms caused by runoff have poisoned China’s lakes.

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|nytimes06.jpg|

16.

Boats wait to pass through Zhihugang Gate, which give them access to the Yangtze River.

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17.

Mine workers move coal to be processed in Shenmu, which is one of the biggest coal-producing cities in China.

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|nytimes01.jpg|

18.

A man stands before a vast pile of coal at a mine near Shangmahuangtou, in Shanxi.

[illegible]

|nytimes16.jpg|

19.

Piles of coal in Xiangcheng, in Henan Province, which will supply the area’s power plant.

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20.

Trucks move in and out of the Wujiata coal mine in Shenmu. One of the largest mines in China, it operates 24 hours a day.

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[illegible]·[illegible]Greg Campbell[illegible]2002[illegible]Blood Diamonds[illegible]Tracing the Deadly Path of the World′s Most Precious Stones[illegible]

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- So how many attacks have there been in the area?

[illegible]

- I have known most of the rebels since they were children. The

local commander is still afraid I will come after him with my ruler.

[illegible]

- So you think because your intentions are good, they’ll spare you,

huh?

[illegible]

- My heart always told me that people are inherently good. My

experience suggests otherwise.

[illegible]

[illegible]……[illegible]

- But what about you, Mr. Archer? In your long career as a

journalist…would you say that people | are mostly good?

[illegible]

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[illegible]Blog[illegible]

Darren Rowse[illegible]Blog[illegible]7[illegible]

1. [illegible]Blog[illegible]teach you the skills of blogging[illegible]

[illegible]Blog[illegible]

2. [illegible]Blog[illegible]familiarize you with the tools of blogging[illegible]

[illegible]Blog[illegible]Blog[illegible]Blog[illegible]Moveable Type[illegible]

3. [illegible]help you work out how much time you have[illegible]

[illegible]Blog[illegible]Blog[illegible]

4. [illegible]help you work out if you can sustain blogging for the long term[illegible]

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5. [illegible]Blog[illegible]give you a taste of blogging ‘culture’[illegible]

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6. [illegible]help you define a niche[illegible]

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7. [illegible]help you find a readership[illegible]

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> It is not in the power of` the professors of demonstrative sciences to change their opinions at will and apply themselves first to one side and then to the other. There is a great difference between commanding a mathematician or a philosopher and influencing a lawyer or a merchant, for demonstrated conclusions about things in nature or in the heavens cannot be changed with the same facility as opinions about what is or is not lawful in a contract, bargain, or bill of exchange. …

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If in order to banish the opinion in question from the world it were sufficient to stop the mouth of a single man,… then that would be very easily done. But things stand otherwise. To carry out such a decision it would be necessary not only to prohibit the book of Copernicus and the writings of other authors who follow the same opinion, but to ban the whole science of astronomy. Furthermore, it would be necessary to forbid men to look at the heavens[illegible]

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> “…..But mere survival is a so-so aspiration. Anybody can survive in some way or other, even the skid-row bum. The trick is to survive gallantly…”

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> 1:1 In the beginning was the Word, and the Word was with God, and
>
> the Word was God. 1:2 The same was in the beginning with God. 1:3 All things were made by him; and without him was not any thing made that was made. 1:4 In him was life; and the life was the light of men. 1:5 And the light shineth in darkness; and the darkness comprehended it not. 1:6 There was a man sent from God, whose name was John. 1:7 The same came for a witness, to bear witness of the Light, that all men through him might believe. | 1:8 He was not that Light, but was sent to bear witness of that Light. | 1:9 That

was the true Light, which lighteth every man that cometh into the world.

… …

1:14 And the **Word was made flesh**, and dwelt among us, (and we beheld his glory, the glory as of the only begotten of the Father,) full of grace and truth.

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China: Addressing Backlash Against Reform

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Andy Xie (Hong Kong)

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Summary & Conclusions

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China is experiencing the most intense debate in a decade on the merits of its reform and open-door policy. Rising inequality and rising household financial burdens are the triggers. The debate is another factor that will shift China's priority from growth to non-growth issues, I believe.

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The growth target in the 11th five-year plan (2006-2010) is 7.5%, compared with 9.5% for the past 25 years. By setting a low target, the government has room to focus on urgent issues, such as income inequality, education, healthcare, housing, and pollution. By addressing these issues, the Chinese economy will shift away from investment and exports to consumption, in my view.

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Debating the reform and open-door policy

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China's GDP expanded by 57.3% in constant price terms and 83.8% in current price terms between 2000 and 2005, according to China's National Statistics Bureau. Negative sentiment towards the economy has increased rapidly, despite the fast growth. The latest manifestation of this is the resurgence of anti-reform sentiment.

Extreme income inequality and other ills in China's economy have always elicited strong opinions. However, until recently, the reform and open-door policy had not been questioned seriously for a decade. The current debate centres on whether the reforms have caused the problems

and have gone too far — that is, questioning the merit of the reform and open-door policy.

One concrete example of the backlash is the negative sentiment towards the sales of state-owned assets to foreign capital. Private equity firms, for example, are facing more difficulty in acquiring state-owned enterprises. Even the IPOs of state-owned companies in Hong Kong are being questioned. The rallying cry is that China is selling its assets to foreign capital too cheaply.

Concerns about structural problems in the economy are often linked to doubts about foreign capital, since the rising influence of foreign capital in China's economy is one of the most visible signs of its open door policy. I estimate that one-fifth of China's GDP (over half in the export sector) is produced by foreign-owned firms, which would make China the most open large economy in the world.

Negative sentiment over foreign capital seems to derive mostly from a small elite, worried that foreign capital may be undermining the development of indigenous companies. The lack of internationally competitive Chinese firms has fanned the flames of such suspicion.

The sentiment towards foreign capital among the population is mostly positive. Most local governments still tout the amounts of foreign capital that they attract to their populations.

'Retreating is no way out'

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China's top leaders have reaffirmed their commitment to the reform and the open-door policy. The Premier has stated that retreating is no way out. The risk of a substantial policy

reversal is still low, in my view. Despite the ills in the economy, most people are far better off than 15 years ago, when China was still quite closed. There is little popular support for a step backwards.

While the public at large support the reform and open-door policy, they also want their concerns to be addressed. I believe the main concerns are (1) rural poverty, (2) rising income inequality, (3) escalating costs of education and healthcare, (4) declining property affordability, (5) pollution, and (6) work safety. Public demand for government action on these issues looks likely to escalate in the coming years.

China's economic policy has tended to be about sustaining fast growth. Whenever growth has looked like slackening, the government has introduced another wave of reforms to revive momentum. China has trusted in growth as the solution for the country's problems.

Developments in the current boom have shaken this faith in growth. Despite the magnitude of the boom, popular discussions about the economy relate mostly to escalating problems rather than the accomplishments of growth (e.g. infrastructure development). This shift in sentiment is likely to have a significant impact on China's policy development in the coming years, I believe.

The growth target in the 11th five-year plan (2006-2010) is 7.5%, compared with a realized growth rate of 9.5% over the past 25 years. The government's aim in setting a relatively low target is to leave room to address non-growth issues. The 11th five-year plan is likely to be a period of consolidation for the Chinese economy, in my view.

Over the next five years, I think the Chinese government needs to implement policies to address the issues that

negatively affect livelihoods. If the problems continue to escalate, the doubts about China’s reform and open-door policy could spread from a small elite to the masses.

Diverging trends of economy and household welfare

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The fixation with growth is to blame for many of today’s problems. To mobilize resources to support investment-led growth, central and local governments have been shifting financial burdens to the masses. Education, healthcare and housing are the most important items. Merely 10 years ago, most people took for granted that the public sector would finance these three necessities. Today, they have come to represent the biggest outlays in household expenditure. This is why, despite income growth, most people feel under more pressure than they did 10 years ago.

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As the state sector has shed its burdens, it has used its improved financial situation to list assets on the stock market and increase investment. The rise in expenditure on infrastructure, for example, is due partly to the state sector shifting its financial burdens to the household sector.

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The privatization of the housing market has played an important role in increasing investment. Sales of residential properties increased from 2% of GDP in 1998 to 6.2% in 2005. As household income is about 56% of GDP, this

implies that property purchases equate to around 11.1% of household income. The fear of rising property prices is a major driver of rising demand for properties. This item clearly features very prominently in household expenditure, but did not exist 10 years ago.

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The 1Q06 central bank survey on urban consumption and saving behaviour showed that willingness to consume has reached a historical low and education expenditure is the principal deterrent against consumption. China’s education system has a serious flaw, in my view. Schools are state-owned monopolies, but have flexibility when it comes to charging students. Considering the importance that Chinese households attach to education, schools have great pricing power to raise charges on all sorts of pretexts. Chinese schools behave neither like public schools, which have a mission to serve, nor private schools, which must compete to succeed.

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The latest report from the World Health Organization ranks China fourth from bottom among over 190 countries on social equity of healthcare. China had a healthcare system completely funded by the government only 10 years ago. The dramatic reversal has had a traumatic impact on livelihoods. Similar to schools, Chinese hospitals are state-owned monopolies that have pricing flexibility. In healthcare,

the bargaining position of the patient is essentially nil. It is not surprising that the current system is the cause of considerable resentment.

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The new and large burdens from shouldering education, healthcare and housing expenses explain why China's impressive growth has not generated the same increase in household welfare — because the growth has taken place partly at households' expense. The China Youth Daily recently published a survey showing that 85.3% of the population feel a heavier financial burdens now than 10 years ago.

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The contrast between economic growth and household welfare is due to the three 'mountains' of education, healthcare and housing, which weigh down on household pocketbooks. Indeed, one major reason behind China's fast economic growth is the shift in these financial burdens from the state to the household sector.

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Policy implications

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Change appears to be in the air. The recently completed National People’s Congress focused on the big social issues rather than growth per se. I expect most policy changes in the coming months to address the imbalances in China’s economy.

The first area likely to see action move is minimum wages. The city of Shenzhen has just announced an increase in its minimum wage from Rmb 690/month to Rmb 800/month. Senior government leaders are increasingly expressing support for increased minimum wages. I see this as a key ingredient in addressing China’s economic imbalances.

More affordable housing is the next objective that needs to be met to increase household welfare, in my view. Many cities are talking about this, but not doing enough, because such a solution is not sufficiently profitable for either property developers or city governments. I would expect to see some new policies implemented this year.

The central government is targeting commercial corruption in hospitals and schools as a temporary measure to respond to popular unhappiness. However, reforms are necessary to make these two sectors function efficiently on their own. I believe China needs to introduce government-funded basic education and healthcare and to promote private capital market competition as much as possible to make these two industries efficient.

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It is our duty now to begin to lay the plans and determine the strategy. More than the winning of the war, it is time to begin plans and determine the strategy for (the) winning (of) a lasting peace and the establishment of an American standard of living higher than ever (before) known before.

This Republic had its beginning, and grew to its present strength, under the protection of certain inalienable political rights — among them the right of free speech, free press, free worship, trial by jury, freedom from unreasonable searches and seizures. They were our rights to life and liberty.

We have come to a clear realization of the fact, however, that true individual freedom cannot exist without economic security and independence. “Necessitous men are not free men.” People who are hungry, people who are (and) out of a job are the stuff of which dictatorships are made.

In our day these economic truths have become accepted as self-evident. We have accepted, so to speak, a second Bill of Rights under which a new basis of security and prosperity can be established for all — regardless of station, or race or creed.

Among these are:

The right to a useful and remunerative job in the industries, or shops

or farms or mines of the nation; The right to earn enough to provide adequate food and clothing and recreation; The right of (every) farmers to raise and sell their (his) products at a return which will give them (him) and their (his) families (family) a decent living; The right of every business man, large and small , to trade in an atmosphere of freedom from unfair competition and domination by monopolies at home

or abroad; The right of every family to a decent home; The right to adequate medical care and the opportunity to achieve and enjoy good health; | The right to adequate protection from the economic fears of old age, and sickness, and accident and unemployment; | And finally, the right to a good education.

All of these rights spell security. And after this war is won we must be prepared to move forward, in the implementation of these rights, to new goals of human happiness and well-being.

——State of the Union Message to Congress January 11, 1944

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Franklin Roosevelt, State of the Union Address, 1941:

In the future days which we seek to make secure, we look forward to a world founded upon four essential human freedoms.

The first is freedom of speech and expression —everywhere in the world. The second is freedom of every person to worship God in his own way — everywhere in the world. The third is freedom from want, which, translated into world terms, means economic understandings which will secure to every nation a healthy peacetime life for its inhabitants—everywhere in the world. The fourth is freedom from fear,

which, translated into world terms, means a world-wide reduction of armaments to such a point and in such a thorough fashion that no nation will be in a position to commit an act of physical aggression against any neighbor — anywhere in the world.

That is no vision of a distant millennium. It is a definite basis for a kind of world attainable in our own time and generation. That kind of world is the very antithesis of the so-called “new order” of tyranny which the dictators seek to create with the crash of a bomb. To that new order we oppose the greater conception —the moral order. A good society is able to face schemes of world domination and foreign revolutions alike without fear. Since the beginning of our American history we have been engaged in change, in a perpetual, peaceful revolution, a revolution which goes on steadily, quietly, adjusting itself to changing conditions without the concentration camp or the quicklime in the ditch. The world order which we seek is the cooperation of free countries, working together in a friendly, civilized society.

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2005-05-28 19:09:58 IP:61.149.197.*

2005-05-28 18:41:51 IP:221.227.111.*

2005-05-28 18:35:14 IP:221.219.26.*

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2005-05-28 16:19:56 IP:61.49.128.*

2005-05-28 16:14:41 IP:222.183.210.*

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[illegible]*The Great Gatsby*[illegible]

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Under the Red, White, and Blue Then wear the gold hat, if

that will move her; If you can bounce high, bounce for her too, | Till she cry “Lover, gold-hatted, high-bouncing lover, | I must have you!.”

- THOMAS PARKE D’INVILLIERS

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Almost five years! There must have been moments even that afternoon when Daisy tumbled short of his dreams - not through her own fault, but because of the colossal vitality of his illusion. It had gone beyond her, beyond everything. He had thrown himself into it with a creative passion, adding to it all the time, decking it out with every bright feather that drifted his way. No amount of fire or freshness can challenge what a man will store up in his ghostly heart.

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2009[illegible]30[illegible][Markus Persson][illegible][Minecraft][illegible]

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Alexander Fleming[illegible]1940[illegible]

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Sidney Farber[illegible]Farber[illegible]16[illegible]10[illegible]

1951[illegible]

John Gibbon[illegible]1935[illegible]Gibbon[illegible]1954[illegible]Gibbon[illegible]

1952[illegible]11[illegible]13[illegible]

Paul Zoll[illegible]

1954[illegible]12[illegible]23[illegible]

Joseph Murray[illegible]David Hume[illegible]Peter Bent Brigham Hospital[illegible]8[illegible]

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> presidents and voting. We believe in rough consensus
> and running code.□”

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“[illegible]area director[illegible]ADs are selected to think, not to just run the process.[illegible]”

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“[illegible]IETF[illegible]If your interest in the IETF is because you want to be part of the overseers, you may be badly disappointed by the IETF.[illegible]”

“[illegible]its role is to set directions rather than to give orders.[illegible]”

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ARM□□□□□Lee Smith□□□□□□PPT□□□□□□□□□□□□□□□PDF□□□ 2.36MB□□

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Note

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http://www.ruanyifeng.com/blog/2011/01/brief_history_of_arm.html □□: □□□

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14.

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15.

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17.

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18.

[illegible]

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Note

[illegible]:
http://www.ruanyifeng.com/blog/2010/11/cpu_autopsy.html
[illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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□□ARM9□□

□□

1. □□WM8505/WM8505+
□□□300MHz/400MHz

□□□128M DDR2□16bit

□□□65nm□□

Linpack□□□□□□1-1.25MFlops□Android 1.6□□□

□□□□□□□JPEG□□□□□□□□□□□3D□□

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ARM9 300MHz□□□□□□□□□□□□□□□□□□□400MHz□□
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□□★☆☆☆☆

□□★☆☆☆☆

2. □□RK2808
□□600MHz

□□128M SDRAM□32bit

□□65nm

Linpack□□ 2-2.5MFlops□Android 1.5□□□

□□□Ceva MM2000□□550MHz□DSP□□□□□□720p□□
576p□□3D□□□

□□□□□W7□□□7HT□□apad□

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RK2808□□□□□□□□□□□□□□□□□□□□

600MHz□ARM9□□□□□□□□□□□□□□□□□□□□Android 1.5□□□□□□□
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RK2808 Android□□□□□□□□□□□□□□

RK2808□□□□□□□SDRAM□□□□□□□128MB□□□2.0□□□□□□RAM□□□
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□□7□□□□RK28□□□□□□□700□□□□□□□□□□□□□□□

□□★★☆☆☆

□□★★★☆☆

3. □□□RK2818

□□□660MHz

□□□256M DDR2□32bit

□□□65nm

Linpack□□□ 3MFlops+□2.1□□□

□□□□□Ceva MM2000□□□600MHz□DSP□□□□□□□□□720p□3D□□□
ARM Mali-55□

□□□□□□□W9□W11□□□N6

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RK2818□□□□□□□□□□□DDR2□□□□512MB□□□□□□3D□□□□□□□□□□
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□□ARM11□□

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4. Telechips TCC8902

□□□540MHz/720MHz

□□□256M DDR2□32bit

□□□65nm

Linpack□□□ 2.3/3.5MFlops□2.1□□□

□□□□□ARM Mali-VE6□□□□□□□□□□□□1080p□□□3D□□□ARM Mali-
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TCC8902□□□□□□□□□□□□□□□□□□□□□□Android□□□□□bug□□□□□□
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□□★★★☆☆

□□★★★★★

5. □□S3C6410
□□□666MHz/800MHz

□□□128M DDR/256M mDDR□32bit

□□□65nm

Linpack□□□3.5MFlops□Android 2.1□□□

□□□□□□□□□□□□□□□720×480□□H.264 BP□3D□□□□□□□□

□□□□□□□Q□□□□□M8□□□i5700

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□□□MID□□□Q□□□□□□□□□□□□i5700□□□□□□□□

Q□□□RAM□□□□□□□□□□□□□□Android□1.5□2.2□□□□□□Linux□CE□
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□□★★★☆☆

□□★☆☆☆☆

6. □□□IMAPX200
□□□1GHz

□□□256M DDR2□32bit

□□□65nm

Linpack□□□ □9.8MFlops□Android 2.1□□□□JIT□□□□□□4-4.5□

□□□□□On2 Hantro 8190□□□□□□□□□□□□□□1080p□3D□□□
VIVANTE GC600□

□□□□□□□□epad□□□□□2□

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□□□□□□1GHz□□Cortex-A8 500-600MHz□□□□□□□□□□□□□□□□

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□□□□□

□□★★★☆☆

□□★★★★☆

7. □□MSM7201

□□□528MHz

□□□128/256M DDR□32bit

□□□65nm

Linpack□□□2-2.5MFlops□Android 1.6□□□

□□□□□□□QDSP5000□□□720×480□□H.264 BP□3D□□□Adreno 130□

□□□□□HTC G1□G2□G3

□□□□

□HTC□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□MSM722x□□ARM11□□□256KB□L2□□□□□□□VFP□3D□□□□□□QSD8x50□□□Adreno 200□□□□□□□□□□□□□□□ARM11□□□□□□□□□Cortex-A8□□□□□□□□□□□□

□□★★☆☆☆

□□★☆☆☆☆

□□Cortex-A8□□

□□□□□□□256KB□L2□□□□□600MHz-1GHz□□□□□□□ARM9□ARM11□□□□□□□

Cortex-A8□□Neon□□□□□SIMD□□□□□□□□□□□□□□□□□DSP□□□

□□□□□□□□□□□□□□□□□□□□□□□□□Cortex-A8 SOC□□□□□□□□□□□□□□□□□□□□□

8. □□QSD8x50
□□□1GHz□Scorpion□

□□□256/512M mDDR□32bit

□□□65nm

Linpack□□□ 7-7.5MFlops□2.1□□□

□□□□□□□QDSP6000□□□720p H.264□□□□□□480p H.264□□□BP□□MP)□□□□□□□□□□□□480p□□□□□□3D□□□Adreno 200□AMD Z430)□

□□□□□Google N1□Dell Streak

□□□□

□□□1GHz□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□

3D□Adreno 200□□

□□□□DSP□□□□□□DSP□□□□□□□□□□□720p□□□□□576p□□□□□□□□□□□□□H.264□codec□□□□□□□□□□□baseline profile□□□□□□□□High Profile□□□□□□WMV□□□□□□□□□□□□□□

□□□Cortex-A8□□□Neon□□1GHz□□□□CPU□□480p□□□□□□□□□□□□□□□□□□□□□□□□□

□□

□□★★★★★

□□★★☆☆☆

9. □□□□OMAP3430/3530

□□□550/720MHz

□□□256M mDDR□32bit

□□□65nm

Linpack□□□ 4.5(550MHz)/5.9(800MHz)□Android 2.1□□□

□□□□IVA2+,□□C64x+ DSP□430MHz□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□480p□□□□□3D□□PowerVR
SGX530□

□□□□MOTO Milestone□□□5□□A81

□□□

□□□□□□□□Cortex-A8□□□□□□□□□□□□□□□Snapdragon□□□
□□□□□□800MHz□TI□□□1GHz□Snapdragon□□□□□□□□
Snapdragon□□□1GHz□Snapdragon□Scorpion□□□□600MHz□
TI Cortex-A8□□□

3D□□□□□□□PowerVR SGX530□□□□□□SGX□□□□□□□□□□
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Adreno200□□□□

□□□□TI□□□□□□□□DSP C64x+□□□□□T10 MP4□□□□TI□□
DM6441□□□514MHz□C64x+ DSP□□□□□720p□□□□□
480p □□□H.264□□□□□□□□□□□□□□□□□□□□□□□□□□DSP
□□□□□TI□□codec□□□□□□□□□□□□□□□□□□□□□H.264 BP
MP4□□

□□□□□□QSD8x50□□□□□□□□□□□□□□□□□□□□480p□□□□
□□□□□□□□□□□□□□□□□

□□★★★★☆

□□★★☆☆☆

10. □□S5PC100
□□667/800MHz

□□256M DDR□32bit

□□65nm

□□□□□PowerVR VXD370□□□□□□□H.264□VC-1□MPEG4□□
1080p□3D□□□PowerVR SGX535□

□□□□□iPod Touch3□iPhone 3GS

□□□□

□□□□□□□□□□□A8□□□□□□□□□□□□□□□□iPhone 3GS□iPod touch 3
□□□□□A8□□□□□□□□□□□□□□□□□□□□□45nm S5PC110□□□□□□□□□
□□□□□□□□□□□S5PC100□Android□□□□□□□□□□□□□

□□★★★★☆

□□★★☆☆☆

11. □□□□i.MX515

□□□800MHz/1GHz

□□□256/512M DDR2□32bit

□□□65nm

□□□□□□□□□□□□□□□□720p□□□□□□□□□□□□480p□□□□□□3D□□□
Adreno 200□AMD Z430)□

□□□□□viliv P3

□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□10□□□□□□□□□Android
2.2□i.MX515□□□□□□□□□□

□□□□Cortex-A8□□□□□□Snapdragon□□□□□□□□□□□□□□□□□□□□□□
□□□□□

3D□□□QSD8x50□□□□□□□□□□□□□□DDR2□□□□□□□□□□□3D□□□□□
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□□□□□□□□□□□□□□□□□□□□□□□720p□□□□□□□WMV7□WMV8□□□
□□□□□□□□

□□□□□□1300□□□□□□□□□□□□□□□□

□□★★★★★

□□★★★★☆

12. □□S5PC110/S5PV210
□□□800MHz/1GHz□512K L2

□□□512M mDDR2□32bit

□□□45nm

Linpack□□□8-8.5□1GHz)□Android 2.1□□□

□□□□□PowerVR VXD370□□□□□□□□1080p□□□□□□□□□□□480p
□□□3D□□□PowerVR SGX540□

□□□□□□□i9000□Galaxy Tab□□□□□A4□□□□iPad□iPod touch4□
iPhone 4

□□□□

□□□□□S5PC110□□□HammingBird□□□□□□□Cortex-A8□□□□□□□□
S5PV210□S5PC110□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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SGX540□□□SGX535□3D□□□□□□□□□□□□□□□□VXD370□□□□
VXD375□□□□□□□□□□

Hummingbird□Cortex-A8□□□□□□□□□□□□□□□□□□□
□+10%-20%□□□□□□□512K□L2□□□□□□Cortex-A8□□□□Apple A4
□□□□□640KB□L2□□

3D□□□□□□□□□□SGX540□□□□□□□□□Cortex-A8□□□1□□□□□□□□□
□□□□□□□

□□□□□□□□□□□□□□□□□720p H.264 MP4□□□□□□□□Galaxy S□□□□
□□□□□□□□□□□□□□□□□MKV□□□□□□□□□RMVB□□□□□□□□□□□□□□
480p□

□□□□□□□□□□□□□□□□□□□□□Galaxy Tab□□□□□□□□□□□11□□12□□□
□□□□□S5PV210□□□□□□□□□□□□□□□□

□□★★★★★★

□□★★★★☆

13. □□□□OMAP3630/3640

□□□800MHz/1GHz

□□□512M DDR2□32bit

□□□45nm

□□□□□IVA2+,□□C64x+ DSP□430MHz□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□480p□□□□□□

□□□□□MOTO Droidx□Droid2□□□□□□□□□□□□□

□□□□

□□□□OMAP3430□45nm□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□DDR2□□□□□□3D□□□□□□□□□□□□□□□□□□OMAP3430□2□□

□□★★★★★

□□★★☆☆☆

□□Cortex-A9

□□□□Cortex-A9□□□Cortex-A8□□□□□□□□□□□□□25%□□□□□□□□□□
□□□□□□□□□□□□1MB□L2□□□□□□□□□□Cortex-A8□2□□□□□□□□□□□

□□□□□□□□□□Cortex-A9□□Neon□□□□□□□□□□□□□□□□□□□VFP□□□□
□□□□□□□□□□□□

14. NVidia Tegra2

□□□1GHz□□ + VFP

□□□512M/1G DDR2□32bit

□□□40nm(TMSC)

□□□□□□□□□□□□□□□□□□1080p□□□□□□□□□□3D□□□□GeForce ULV□

□□□□□□□Harmony□□□□Zpad□□□Folio

□□□□

Cortex-A9□□□□□□□□□□2□□A8□□□□□□Android□□□□□□□□□□□□□□
□□□□□□□□□□□

3D□□□□□□□□Tegra1□□□□□2PS+2TMU□□□□□□GeForce6□□□2□
□□□□□□□□□□□□□□□□□□□□□□DDR2□□□□□□□□□□□□□□□□□□
Hummingbird□SGX540□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
32bit DDR2□□□□□□□□□□□□□□□□□□Tegra2□3D□□□□□□□□SOC□□
□□□□□

□□□□□□□□□□1080p□□□□□□□□□□□□RMVB□□□□□□□□□□□□A9□□□□
□□□□□□□□Tegra2□□Neon□□SIMD□□□□□□□□□□□□□□□□□□□□□□□□
□□

□□□Tegra2□□□□□□□□□□□□□□□□□□□□□□ARM□□□□□□□□□□ARM7□
□□□□□□□□□□

□□□□zPad□□□□□□□□□□□□□□□□□□□□□□2500+□□□□□□□□□□□□□□
□□□□□Tegra2□□□10□□7□□□□□□□□□□□□□□□□□□

□□★★★★★★★★★★

□□★★★★☆

15. □□□□OMAP4430/4440

□□□1GHz/1.3GHz□□ + Neon

□□□512M/1G+ DDR3□64bit

□□:45nm

□□□□□IVA3,□□□□□□□ + C64x+ Lite DSP□□□□1080p□DSP□□□□□□□□□3D□□□PowerVR SGX540□

□□□□□

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□□□□□A9 SOC□64bit□DDR3□□□□4□□□□□□SOC□32bit DDR2□□□□□□□□□□□□□□□□□□□

1080p□□□□□□□□□□Tegra2□□□□□□□□□□□□□□□□□TI□□□□□Neon□□□□□□□□□□□□□□□□□□C64x+ DSP□□□□TI□□□

□□□TI□□□□□2□Cortex-M3□□□□□□□□SOC□□

□□★★★★★★★★★★★★

□□★★★★☆+

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2010/10/arm_chips.html □□: □□□

□□: □□□ http://www.me115.com

[illegible]

ruanyifeng.com

1.

9[illegible]7[illegible]Justin Watt[illegible]Cap Cleveland[illegible]

[illegible]28[illegible]

[illegible]Justin Watt[illegible]24[illegible]15.248547[illegible]74.746492[illegible]

[illegible]

2.

[illegible]

[illegible]

3.

[illegible]

1979[illegible]IMO[illegible]”[illegible]”[illegible]

1999[illegible]IMO[illegible]Inmarsat[illegible] [illegible]2005[illegible]2009[illegible]10.38[illegible]1.53[illegible]

[illegible]inmarsat[illegible]

□□□□□□□□□□□□□□inmarsat□□□□□□□□BGAN□□□□□□□□□
Broadband Global Area Network□□□□□□□□□□□□□□□□□□□□□□□
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http://192.168.1.35/□□□□□□□□□□□□□web□□□□□□□□□□

4.

□□□□□□□□□□□□□□□□□□modem□□□□□□□□□□

BGAN□modem□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
Wideye Sabre 1□□□□1138□□□

□□□□□259mm□□□x159mm□□□x58mm□□□□□□1.65□□□□□□□□□
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11□□□□□□□10Mbps□□□□□□□□□□□□□□□

□□□□□□□240kbps□□□□□□384kbps□□□Justin Watt□□□□□□□□□□□
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5.

□□□□□□□□□□□1000□□□/□□modem□□□□□□□□□□□□□□□□□□□□□□□
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□□google□□□”BGAN rental“□□□□□□□□□Justin Watt□□□
SatellitePhoneStore.com□□□□□□□□□□□□□□□□□□□□□□□□Wideye
Sabre 1□□□□□155.95□□□□□□□39.95□□□□□□□6.95□□□

□□□□□□□□□□□□□□□□□□□□□□□□□MB□□□□6~8□□□□□□□□□□□□□
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□Justin Watt□□□□□□□□□□□□□□□155.95□□□□□□□□150□□□□□□
25MB□□□□□□□□300□□□□□□□□2000□□□□□□□□□□□□□□□□□□□□□□

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6.

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1. APCN2□□□□□□□□□□

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□□□http://en.wikipedia.org/wiki/APCN_2_(cable_system)

2. CUCN□□□□□□□□

□□□2.2Tbps

30000km

http://en.wikipedia.org/wiki/CUCN_(cable_system)

3. SEA-ME-WE 3

960Gbps

39000km

http://en.wikipedia.org/wiki/SEA-ME-WE_3

4. EAC-C2C

10.24Tbps

36800km

http://en.wikipedia.org/wiki/C2C_(cable_system)

5. FLAG

10Gbps

27000km

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□□□http://en.wikipedia.org/wiki/Fiber-Optic_Link_Around_the_Globe

6. Trans-Pacific Express□TPE□□□□□□□□□□

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code.google.com - I know, you don’t need codes.

pages.google.com - Surf the government pages.

video.google.com - Use youtube. Oops sorry, use something else.

translate.google.com.tr - Why do you need to translate anything?

docs.google.com - Use paper if you need.

sites.google.com - Sites? Why?

books.google.com - You don’t want to read a book, don’t you?

chrome.google.com - Use Explorer, I like bugs.

sketchup.google.com - It’s forbidden to sketch anything, don’t you know that?

froogle.google.com - It’s too froggy to use.

labs.google.com - I just don’t like labs.

mars.google.com - Do you really go to Mars?

moon.google.com - Is there any moon?

notebook.google.com - Note that, there is noo book.

toolbar.google.com - You can borrow my hammer if it’s necessary.

browsersync.google.com - Browser? What is that?

catalog.google.com - Read government catalogs.

codesearch.google.com - I will find your code if you want.

knol.google.com - What do you do with a troll?

dir.google.com - It’s so boring. You don’t need it.

apengine.google.com - Somebody said engine? Give me oil!

health.google.com - I care about healtcare, not Google.

finance.google.com - Can you borrow me a fifty?

contacts.google.com - Ask your headman.

earth.google.com - I love firebenders. What the $#@ is earth?

groups.google.com.tr - Why are they connecting people? Let’s seperate them all.

shopping.google.com - You need shopping too? Unbelieveable!

sky.google.com - Look over, there is your sky.

support.google.com - I’m supporting you, you need Google? What a shame…

tools.google.com - Where is my hammer?

wap.google.com - Wap is wap?

answers.google.com - You have questions? They are also banned.

google-analytics.com - I’m the analyser here, OK? □via□

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1. [illegible]

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2. [illegible]CDbaby[illegible]

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4. iTunes[illegible]

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7. iTunes[illegible]

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8. Rhapsody[illegible]

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9. Last.fm[illegible]

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10. Spotify[illegible]

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[illegible]Michael Widenius[illegible]MySQL[illegible]

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Michael Widenius[illegible]HelpMysql.org[illegible]

2.

[illegible]12[illegible]28[illegible]"Help keep the internet free"[illegible]

> "If Oracle were allowed to acquire MySQL, we would be looking at less competition among databases, which will mean higher license and support prices."
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> "[illegible]MySQL[illegible]"

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GPL ” 1991 GPL BSD

Richard Stallman

GNU C library 1991 C

GNU C GPL

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[Richard Stallman][illegible]

> “After all, there are plenty of other C libraries; using the GPL for ours would have driven proprietary software developers to use another—no problem for them, only for us.”
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> “[illegible]C[illegible]GPL[illegible]”

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Why Google chose the Apache Software License over GPLv2 for Android

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Google finally entered the mobile software market by turning the 2005

acquisition of Android into the Open Handset Alliance.

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Google hopes to promote third-party mobile software development and foster a broad developer community on top of Android’s Linux-based mobile platform.

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In the wake of Google’s announcement, one topic that has been discussed by some members of the open-source software community is the significance of Google’s licensing choice.

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Although the underlying Linux kernel is licensed under version 2 of the Free Software Foundation’s General Public License (GPLv2), much of the user-space software infrastructure that will make up the Open Handset Alliance’s platform will be distributed under version 2 of the Apache Software License (ASL).

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This raises certain questions about Google’s goals in the mobile space and the nature of the third-party application ecosystem that will emerge around the platform.

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ASL, which is widely used in the open-source software community and has been approved by the Open Source Initiative, is a permissive license that is conducive to commercial development and proprietary redistribution. Code that is distributed under the ASL and other permissive licenses can be integrated into closed-source proprietary products and redistributed under a broad variety of other terms.

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Unlike permissive open-source licenses, “copyleft” licenses (such as the GPL) generally impose restrictions on redistribution of code in order to ensure that modifications and derivatives are kept open and distributed under similar terms.

□ASL□□□GPL□□□□Copyleft□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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Permissive licenses like the ASL and BSD license are preferred by many companies because such licenses make it possible to use open-source software code without having to turn proprietary enhancements back over to the open source software community. These licenses encourage commercial adoption of open-source software because they make it possible for companies to profit from investing in enhancements made to existing open-source software

solutions. That potential for proprietary investment on top of an open stack is most likely what inspired Google to adopt the Apache Software License for its mobile platform. Availability of Android under the ASL will ensure that a broader number of companies will be able to adopt the platform and build on top of it without having to expose the inner workings of proprietary technologies that give them a competitive advantage.

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Although using a permissive license like ASL is the best way to build support for the Android platform, critics argue that Google has sacrificed an opportunity to encourage greater openness in the broader mobile software space. If Android was distributed under the GPLv2, companies building on top of the platform would have to share their enhancements, which could theoretically lead to widespread sharing of code and a more rapid acceleration of mobile software development.

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The counterargument is that distributing Android under a copyleft license could potentially limit the evolution of the mobile software ecosystem by discouraging commercial development on top of the platform. Proprietary mobile software development companies that integrate Android into their technologies would have to dramatically change

their business models if they aren’t given the ability to keep their enhancements proprietary.

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It is important to note that the ASL is only being applied to the assortment of user-space platform components that make up Android. The kernel itself is still licensed under the GPLv2, and third-party software that runs on top of the platform can be distributed under pretty much any license, including commercial and copyleft licenses.

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It is also important to note that, although the ASL was not compatible with previous versions of the GPL, it is entirely compatible with the GPLv3. This means that code distributed under the ASL can be incorporated into GPLv3 software. As a result, developers can choose to distribute Android derivatives under the GPLv3 in order to ensure that further development on top of their own enhancements remains open.

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Ultimately, the decision to use the ASL is sensible. Although it would be beneficial to all if Google were to use Android licensing to further open the market, that likely would have stifled adoption of the platform by handset makers.

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When it comes right down to it, the handset makers are the developers who are most significantly affected by the Android license, since they are the primary distributors of mobile phone platforms. The ASL will allow individual handset makers to develop proprietary customizations for the platform as needed to accommodate the unique technologies in their individual products.

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Third-party software developers who are building applications on top of Android will largely be unaffected by Google’s licensing decision since the individual applications can be distributed under their own licenses.

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Another point worth noting is that Linux-based mobile platforms created by other mobile technology coalitions like the LiMo Foundation also facilitate mixing proprietary and open software.

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As more details emerge and more source code becomes available, it’s likely that third-party developers and handset makers will eagerly flock to Android in order to benefit from the ecosystem that Google is creating.

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“Google has taken the Linux kernel, and nothing else from a “traditional” Linux system.

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“Android also solves the problem that the phone manufacturers had been having for many years: a free version of Java and a unified application layer that programmers can write to that will work on all phone platforms that integrate it.

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> “…any drivers written for Android hardware platforms, can not get merged into the main kernel tree because they have dependencies on code that only lives in Google’s kernel tree, causing it to fail to build in the kernel.org tree.
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> Because of this, Google has now prevented a large chunk of hardware drivers and platform code from ever getting merged into the main kernel tree. Effectively

> creating a kernel branch that a number of different vendors are now relying on.
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> “I really don’t know. Google shows no sign of working to get their code upstream anymore.
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>
> I do hold out hope that Google does come around and works to fix their codebase to get it merged upstream to stop the huge blockage that they have now caused in a large number of embedded Linux hardware companies.

> [illegible]Google[illegible]
>
> I’ve privately offered in the past to help this work get done, and am doing again here publicly. But I need the help of the Google developers to make it happen, without them, nothing can change.
>
> [illegible]Google[illegible]”

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UPDATE ONE

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UPDATE TWO

Greg Kroah-Hartman[illegible]

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[illegible]AOL[illegible]1000[illegible]AOL[illegible]AOL[illegible]AOL[illegible]

□”Always Off-Line”□□□□□□□□□□□□□□□□□□□1996□□AOL□□□□□19.99□□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□□”□□□□□□

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Note

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http://www.ruanyifeng.com/blog/2009/12/why_aol_fail.html
[illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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[illegible]BT[illegible]”[illegible]”[illegible]

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[illegible]Bayimg.com

[illegible]http://bayimg.com

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[illegible]WordPress MU[illegible]

□□SuprNova

□□□http://suprnova.org

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□□SuprBay

□□□http://suprbay.org

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Note

□□□□: http://www.ruanyifeng.com/blog/2009/11/projects_of_piratebay.html □□: □□□

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Bt[illegible]

ruanyifeng.com

1.

[illegible]BT[illegible]”[illegible]”[illegible]thepiratebay.org[illegible]
Tracker[illegible]

> **TPB has decided that there is no need to run a tracker anymore, so it will remain down! It’s the end of an era.**
>
> **[illegible]Tracker[illegible]**

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[illegible]”[illegible]BT[illegible]

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2009[illegible]

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[illegible]34[illegible]21[illegible]9[illegible]4[illegible]

[illegible]2009[illegible]

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> 4[illegible]17[illegible][[illegible]][illegible]360[illegible]
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> 5[illegible]13[illegible]Black Internet[illegible]

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Now that the decentralized system for finding peers is so well developed, …the era is no longer up2date. We have put a server in a museum already, and now the tracking can be put there as well.

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4.

[illegible]BT[illegible]Tracker[illegible]

[illegible]BT[illegible]

> [illegible]torrent[illegible]BT[illegible]torrent[illegible]Tracker[illegible]

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[illegible]Tracker[illegible]Tracker[illegible]Demonoid[illegible]9[illegible]15[illegible]Tracker[illegible]Tracker[illegible]torrent[illegible]Mininova[illegible]Torrentz[illegible]isoHunt[illegible]Tracker[illegible]8[illegible]Mininova[illegible]torrent[illegible]

5.

[illegible]Tracker[illegible]Tracker[illegible]BT[illegible]

2002[illegible]Petar Maymounkov[illegible]David Mazières[illegible]”[illegible]”[illegible]Kademlia[illegible]Emule[illegible]KAD[illegible]2005[illegible]BT[illegible]

BT[illegible]BT[illegible]DHT[illegible]Distributed hash table[illegible]

[illegible]DHT[illegible]Tracker[illegible]

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DHT[illegible]Tracker[illegible]

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6.

[illegible]BT[illegible]

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[illegible]Inglourious.Basterds.DVDRip.XviD-iMBT.avi[illegible]torrent[illegible]torrent[illegible]magnet URI[illegible]

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> &dn=Inglourious.Basterds.DVDRip.XviD-iMBT.avi
> &tr=http%3A%2F%2Ftracker.publicbt.com%2Fannounce**

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* OpenBitTorrent

* The HiddenTracker

* OpenBitTorrent.kg

* PublicBitTorrent

* BitTrk

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Note

□□□□: http://www.ruanyifeng.com/blog/2009/11/future_of_bittorrent.html □□: □□□

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　　[illegible]160[illegible]=[illegible]-100

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[illegible]——80~105[illegible]20~25[illegible]/[illegible]

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http://www.ruanyifeng.com/blog/2009/11/body_weight_and_daily_diet.html □□: □□□

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Windows 6.1□□□□□□□□□cmd□□□□□□□□□□□□□□□□□□

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image2

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Windows 7□□Vista□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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image3

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Windows 95□Windows 98□Windows 98SE□Windows ME□□□□□
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Windows for DOS Marketing NameVersion112233954.0984.0.199898SE4.0.2222ME4.90.3000

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1. `Apple.com <http://web.archive.org/web/19991117085221/http://apple.com/index.html>`__

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2. `Microsoft.com <http://web.archive.org/web/19991118043043/http://www1.microsoft.com/>`__

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3. `Yahoo.com <http://web.archive.org/web/19991116151216/http://www4.yahoo.com/>`__

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4. `Whitehouse.gov <http://web.archive.org/web/19990914014942/http://www2.whitehouse.gov/index.html>`__

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5. `Google.com <http://web.archive.org/web/19990117032727/http://www.google.com/>`__

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6. `[illegible] <http://web.archive.org/web/19990218194632/www.sina.com.cn/>`__

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7. `[illegible] <http://web.archive.org/web/19990125092044/http://sohu.com/>`__

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**8. `□□
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**9. `8848.com
<http://web.archive.org/web/20001206150700/http://www.8848.com/>`__**

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**10. `Chinaren.com
<http://web.archive.org/web/20000511051346/www.chinaren.com/index.shtml>`__**

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http://www.ruanyifeng.com/blog/2009/08/ten_web_sites_ten_years_ago.html □□: □□

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[illegible]*The Geek Atlas: 128 Places Where Science and Technology Come Alive*

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1. [illegible]IMDb Constant Title Code [illegible] 7 Digit Number

[illegible]IMDB[illegible] [illegible] 0068646 2. [illegible]Title [illegible] Text [illegible] [illegible] The Godfather 3. [illegible]Year [illegible] 4 digit Number [illegible] [illegible]1972 4. [illegible]Plot Outline [illegible] Text | [illegible] | [illegible]A Mafia boss’ son, previously uninvolved in the business, takes over when his father is critically wounded in a mob hit.

5. [illegible]Plot Summary [illegible]Text
[illegible]
[illegible]Don Vito Corleone is the head of a New York Mafia “family”.

Problems arise when a gangster supported by another Mafia family, Sollozzo, announces his intentions to start selling drugs all over New York. Don Vito hates the idea of drugs, and he is quite happy with the gambling/protection etc. that make him money, so an attempt is made on his life. Sollozzo then kidnaps one of Don Vitos advisors, and tries to make him force Don Vitos son to agree to sell drugs, but the plan goes wrong when Sollozzo finds out that Don Vito is still alive.

6. □□□□Principal Cast □□□Text □□□□□□□□□□□□□5□□

□□□Marlon Brando Al Pacino Diane Keaton | Richard S. Castellano | Robert Duvall

7. □□□□Genre □□□Text Set □□□□□□□□□□□□□□□□□□□——Action, Adventure, Animation,

Comedy, Crime, Documentary, Drama, Family, Fantasy, Film-Noir, Horror, Musical, Mystery, Romance, Sci-Fi, Short, Thriller, War, Western□ | □□□Crime, Drama

8. □□□□MPAA Rating □□□Text □□□□□□□□□□□□□□□□□□□□□□——G, PG, PG-13, R, NC-17,

X□ | □□□USA:R

9. □□□□U.S. Runtime □□□Minutes □□□□□□□□ □□□175 10.

□□□□Trivia □□□Text | □□□□□□□□ | □□□The phone number Michael calls to find out news about his father is Long Beach 4-5620.

11. □□□□Goofs □□□ Text □□□□□□□□□□□□□□□□□ □□□In several scenes wine bottles are shown with the DOC Italian

wine classification designation shown on the bottle. DOC designations did not come in effect until the 1960s.

12. □□□□Writer(s) □□□Text
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□□□Coppola, Francis Ford;Puzo, Mario
13. □□□□Plot Keywords □□□Text Set □□□□□□□□□

□□□garrote;revenge;father-son-relationship 14. □□□□IMDb Average User Rating □□□Number | □□□□□□□□□□□□□10□□□1 □□ | □□□9.0

15. □□□□Link to official site
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□□□James Caan;Talia Shire;Sterling Hayden
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http://www.ruanyifeng.com/blog/2008/03/imdb_database_structure.html [illegible]: [illegible]

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* [How to Build Your Category’s Taxonomy]

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2. IP[illegible]DNS[illegible]IP[illegible]IP[illegible]”The connection has been reset”[illegible]

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1. [illegible]Changes to Physical Sedimentation[illegible]

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2. [illegible]Carbon Cycle Perturbation and Temperature[illegible]

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3. [illegible]（Biotic Change）

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4. [illegible]（Ocean Changes）

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> The popular DVD ripper aXXo is a BitTorrent cult figure, despised by some, worshiped by others. An estimated one million people download aXXo's rips every month and his name is among the most searched keywords on all BitTorrent sites. Not surprisingly, rumors start to spread when there is no official aXXo release for a while.
>
> DVD rip [illegible]aXXo[illegible]BT[illegible]100[illegible]BT[illegible]
>
> The last official aXXo torrent was uploaded November 11, after that is has been awfully quiet. So what happened, did he get caught, is he tired of releasing DVDrips, did he have an accident? It turns out that aXXo is not gone for good, he just decided to take a break.

aXXo[illegible]11[illegible]11[illegible]

ADL 242, an administrator on Darkside RG, the official home of aXXo explains: “aXXo told us that he has decided to take a break, so you will not see new aXXo torrents anywhere for a while. Please show your support by keeping his torrents alive until he comes back, as always, he will post here first when he does.”

aXXo[illegible]Darkside RG[illegible]ADL 242[illegible]”aXXo[illegible]torrent[illegible]”

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- ALLiANCE
- ANiVCD
- ARTHOUSE
- ASTEROiDS
- aXXo
- BLiND
- BeStDivX
- BETAMAX
- BugZ
- CAMERA
- C H W D F
- COALiTiON
- COCAiN
- DiAMOND
- DIMENSION
- DMT
- MiNO
- DoNE

- DragonRipper624
- DUQA
- DvF
- ESPiSE
- ESiR
- ELiA
- FiCO
- FLAiTE
- FXG
- FxM
- HLS
- HLSretailSupplier
- HooKah
- IDE
- iMBT
- iNTiMiD
- KLAXXON
- LPD
- mVs
- MEDiAMANiACS
- NANT
- NeDiVx
- NEPTUNE
- NhaNc3
- PreVail
- PUKKA
- SATIVA
- SEPTiC
- SiNK
- SiNNERS
- SiLU
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7.

CAM - [illegible]/[illegible]

A cam is a theater rip usually done with a digital video camera. A mini tripod is sometimes used, but a lot of the time this wont be possible, so the camera make shake. Also seating placement isn’t always idle, and it might be filmed from an angle. If cropped properly, this is hard to tell unless there’s text on the screen, but a lot of times these are left with triangular borders on the top and bottom of the screen. Sound is taken from the onboard microphone of the camera, and especially in comedies, laughter can often be heard during the film. Due to these factors picture and sound quality are usually quite poor, but sometimes we’re lucky, and the theater will be fairly empty and a fairly clear signal will be heard.

CAM[illegible]

8.

TELESYNC (TS) -

A telesync is the same spec as a CAM except it uses an external audio source (most likely an audio jack in the chair for hard of hearing people). A direct audio source does not ensure a good quality audio source, as a lot of background noise can interfere. A lot of the times a telesync is filmed in an empty cinema or from the projection booth with a professional camera, giving a better picture quality. Quality ranges drastically, check the sample before downloading the full release. A high percentage of Telesyncs are CAMs that have been mislabeled.

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9.

TELECINE (TC) -

A telecine machine copies the film digitally from the reels. Sound and picture should be very good, but due to the equipment involved and cost telecines are fairly uncommon. Generally the film will be in correct aspect ratio, although 4:3 telecines have existed. A great example is the JURASSIC PARK 3 TC done last year. TC should not be confused with TimeCode , which is a visible counter on screen throughout the film.

TELECINE (TC)□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□TC□□□□□□□□□□□□□□□□□□□4:3□ TC□□□□TC□ TimeCode(□□□)□□□□□□□ □□□□□□□□□□□□

10.

SCREENER (SCR) -

A pre VHS tape, sent to rental stores, and various other places for promotional use. A screener is supplied on a VHS tape, and is usually in a 4:3 (full screen) a/r, although letterboxed screeners are sometimes found. The main draw back is a “ticker” (a message that scrolls past at the bottom of the screen, with the copyright and anti-copy telephone number). Also, if the tape contains any serial numbers, or any other markings that could lead to the source of the tape, these will have to be blocked, usually with a black mark over the section. This is sometimes only for a few seconds, but unfortunately on some copies this will last for

the entire film, and some can be quite big. Depending on the equipment used, screener quality can range from excellent if done from a MASTER copy, to very poor if done on an old VHS recorder thru poor capture equipment on a copied tape. Most screeners are transferred to VCD, but a few attempts at SVCD have occurred, some looking better than others.

SCREENER(SCR)□□□□□VHS□□□□□□□□□□□□□□□□□□□□SCREENER□□VHS□□□□□□□4:3□□□□□□□□□□□□□LETTERBOXED(1.85:1□□□) SCREENER□□□□□□□”TICKER”□□□SCREENER□□□ SCREENER□□□□VCD□□□□□□SVCD□□□□□□□□□□

11.

DVD-SCREENER (DVDscr) -

Same premise as a screener, but transferred off a DVD. Usually letterbox , but without the extras that a DVD retail would contain. The ticker is not usually in the black bars, and will disrupt the viewing. If the ripper has any skill, a DVDscr should be very good. Usually transferred to SVCD or DivX/XviD.

DVD-SCREENER(DVDscr)□SCREENER□□□□□DVD□□□□□1.85:1□□□□□□□□□□□□□□□TICKER□□□□□□□□□□□□□□□□□□□□□□DVDScr□□□□□□□□□SVCD□DivX/XviD□

12.

DVDRip -

A copy of the final released DVD. If possible this is released PRE retail (for example, Star Wars episode 2) again, should be excellent quality. DVDrips are released in SVCD and DivX/XviD.

DVDRip□□□□□□DVD□□□□□□□□□□□□□□□□□□□□□□□□2□□□□□□□□□□
□□□□□□SVCD□DivX/XviD

13.

VHSRip -

Transferred off a retail VHS, mainly skating/sports videos and *** releases.

VHSRip□□□□□VHS□□□□□□□□□□□/□□□□□***□□□

14.

TVRip -

TV episode that is either from Network (capped using digital cable/satellite boxes are preferable) or PRE-AIR from satellite feeds sending the program around to networks a few days earlier (do not contain “dogs” but sometimes have flickers etc) Some programs such as WWF Raw Is War contain extra parts, and the “dark matches” and camera/commentary tests are included on the rips. PDTV is capped from a digital TV PCI card, generally giving the best results, and groups tend to release in SVCD for these. VCD/SVCD/DivX/XviD rips are all supported by the TV scene.

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VCD/SVCD/DivX/XviD rips□□□□□□□TVRip□

15.

WORKPRINT (WP) -

A workprint is a copy of the film that has not been finished. It can be missing scenes, music, and quality can range from excellent to very poor. Some WPs are very different from the final print (Men In Black is missing all the aliens, and has actors in their places) and others can contain extra scenes (Jay and Silent Bob) . WPs can be nice additions to the collection once a good quality final has been obtained.

WORKPRITN (WP)[illegible]WP[illegible](MEN IN BLACK[illegible]WP[illegible])[illegible](Jay and Silent Bob). WPs[illegible]

16.

DivX Re-Enc -

A DivX re-enc is a film that has been taken from its original VCD source, and re-encoded into a small DivX file. Most commonly found on file sharers, these are usually labeled something like Film.Name.Group(1of2) etc. Common groups are SMR and TND. These aren’t really worth downloading, unless you’re that unsure about a film u only want a 200mb copy of it. Generally avoid.

DivXRe-Enc[illegible]VCD[illegible]DivX[illegible]Film.Name.Group(1of2)[illegible]SMR[illegible]TND[illegible]200MB [illegible]

17.

Watermarks -

A lot of films come from Asian Silvers/PDVD (see below) and these are tagged by the people responsible. Usually with a letter/initials or a little logo, generally in one of the corners. Most famous are the “Z” “A” and “Globe” watermarks.

□□□Asian Silvers/PDVD (□□□□)□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□”Z”,”A”□”Globe”.

18.

Asian Silvers / PDVD -

These are films put out by eastern bootleggers, and these are usually bought by some groups to put out as their own. Silvers are very cheap and easily available in a lot of countries, and its easy to put out a release, which is why there are so many in the scene at the moment, mainly from smaller groups who don’t last more than a few releases. PDVDs are the same thing pressed onto a DVD. They have removable subtitles, and the quality is usually better than the silvers. These are ripped like a normal DVD, but usually released as VCD.

Asian Silvers / PDVD□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□Silvers□□□□□□□□□□□□□□□□□□Silvers□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□RELEASE□□□□□□ PDVD□Silver□□□□□□□□ DVD□□PDVD□□□□□□□□□□□□Silver□□PDVD□□□□DVD□□□□□□□□□ VCD□□□□□□

19.

Scene Tags

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20.

PROPER -

Due to scene rules, whoever releases the first Telesync has won that race (for example). But if the quality of that release is fairly poor, if another group has another telesync (or the same source in higher quality) then the tag PROPER is added to the folder to avoid being duped. PROPER is the most subjective tag in the scene, and a lot of people will generally argue whether the PROPER is better than the original release. A lot of groups release PROPERS just out of desperation due to losing the race. A reason for the PROPER should always be included in the NFO.

□□□□□□□□□□□Telesync (TS)□□□□□(TS□□□)□□□□□□□□□□□□□□□□□□□□□□□□□□□TS□□(□□□□□□□□□□)□□□□□PROPER□□□□□□□□□□□□PROPER□□□□□□□□□□□□□□□□□□PROPER□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□PROPER□□□PROPER□□□□□□□□□□NFO□□□□

21.

SUBBED -

In the case of a VCD, if a release is subbed, it usually means it has hard encoded subtitles burnt throughout the movie. These are generally in malaysian/chinese/thai etc, and sometimes there are two different languages, which can take up quite a large amount of the screen. SVCD supports switch able subtitles, so some DVDRips are released with switch able subs. This will be mentioned in the NFO file if included.

□□VCD□□□□□SUBBED□□□□□□□□□□□□□□□□□□□□/□□/□□□□□□□□□□□□□□□□□□□□□□□□□□□SVCD□□□□□□□□□DVDRip□□□□□□□□□□□□□□□NFO□□□□□□

22.

UNSUBBED -

When a film has had a subbed release in the past, an Unsubbed release may be released

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23.

LIMITED -

A limited movie means it has had a limited theater run, generally opening in less than 250 theaters, generally smaller films (such as art house films) are released as limited.

LIMITED□□□□□□□□□□□□□□□□□□□□□250□□□□□□□□□□□□□□□□□□□□
□LIMETED□

24.

INTERNAL -

An internal release is done for several reasons. Classic DVD groups do a lot of .INTERNAL. releases, as they wont be dupe’d on it. Also lower quality theater rips are done INTERNAL so not to lower the reputation of the group, or due to the amount of rips done already. An INTERNAL release is available as normal on the groups affiliate sites, but they can’t be traded to other sites without request from the site ops. Some INTERNAL releases still trickle down to IRC/Newsgroups, it usually depends on the title and the popularity. Earlier in the year people referred to Centropy going “internal”. This meant the group were only releasing the movies to their members and site ops. This is in a different context to the usual definition.

INTERNAL[illegible]DVD[illegible].INTERNAL.[illegible]INTERNAL[illegible]INTERNAL[illegible]INTERNAL[illegible]IRC/NEWSGROUP[illegible]CENTROPY[illegible]INTERNAL[illegible]

25.

STV -

Straight To Video. Was never released in theaters, and therefore a lot of sites do not allow these.

STV[illegible]STV[illegible]

26.

ASPECT RATIO TAGS -

These are *WS* for widescreen (letterbox) and *FS* for Fullscreen.

ws[illegible]*FS*[illegible]

27.

RECODE -

A recode is a previously released version, usually filtered through TMPGenc to remove subtitles, fix color etc. Whilst they can look better, its not looked upon highly as groups are expected to obtain their own sources.

RECODE[illegible]TMPGenc[illegible]

28.

REPACK -

If a group releases a bad rip, they will release a Repack which will fix the problems.

[illegible]REPACK[illegible]

29.

NUKED -

A film can be nuked for various reasons. Individual sites will nuke for breaking their rules (such as “No Telesyncs”) but if the film has something extremely wrong with it (no soundtrack for 20mins, CD2 is incorrect film/game etc) then a global nuke will occur, and people trading it across sites will lose their credits. Nuked films can still reach other sources such as p2p/usenet, but its a good idea to check why it was nuked first in case. If a group realise there is something wrong, they can request a nuke.

[illegible]NUKE[illegible]NUKE[illegible]([illegible]TS[illegible])[illegible]([illegible]20[illegible]CD2[illegible])[illegible]NUKE[illegible]NUKED[illegible]NUKED[illegible]P2P/USENET[illegible]NUKE[illegible]NUKE[illegible]

30.

NUKE REASONS :: this is a list of common reasons a film can be nuked for (generally DVDRip)

[illegible]NUKE[illegible]([illegible]DVDRIP)[illegible]

** BAD A/R ** :: bad aspect ratio, ie people appear too fat/thin

□□□□□□□□□□□□□□□□

** BAD IVTC ** :: bad inverse telecine. process of converting framerates was incorrect.

□□□□□□□□□TC□□□□□□□□

** INTERLACED ** :: black lines on movement as the field order is incorrect.

□□□□□□□□field order□□□□

31.

DUPE -

Dupe is quite simply, if something exists already, then theres no reason for it to exist again without proper reason.

DUPE□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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1. Gollum Brower

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[illegible]http://gollum.easycp.de/en/

2. Answers.com

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3. The Free Dictionary

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4. Veropedia

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5. Mobile Guru Wikipedia

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1. Ortelius/[illegible]/Antwerp/1570[illegible]/37x60[illegible]

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2. Ortelius/[illegible]/Antwerp/36.4x46[illegible]. [illegible].

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3. De Jode/[illegible]/1593/Antwerp/36x45[illegible]

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4. [illegible]Mercator/[illegible]/1606[illegible]/34 x 46[illegible]

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5. [illegible]Purchas/[illegible]/1625[illegible]/29x37[illegible]

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6. Speed/[illegible]/1626[illegible]/40x52[illegible]

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7. □□Blaeu/□□□□/1636□□□/41x50□□

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1. [illegible]User Centered[illegible]

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2. [illegible]Software as a Service[illegible]

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3. [illegible]Data Is King[illegible]

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4. [illegible]Convergence[illegible]

[illegible]web 2.0[illegible]RSS[illegible]

5. [illegible]Iterative Development[illegible]

web 2.0

”perpetual beta

6. Rich Browser Experience

web 2.0

7. Multiple Delivery Channels

web 2.0

8. Social Networking

web 2.0

9. The Rise of the Individual Developer

web 2.0

Google Maps

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> Most societies place importance on preserving artifacts of their culture and heritage. Without such artifacts, civilization has no memory and no mechanism to learn from its successes and failures. Our culture now produces more and more artifacts in digital form. The Archive’s mission is to help preserve those artifacts and create an Internet library for researchers, historians, and scholars. The Archive collaborates with institutions including the Library of Congress and the Smithsonian.
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> And so at last the beast fell and the unbelievers rejoiced.But all was not lost, for from the ash rose a great bird.The bird gazed down upon the unbelievers and cast fire and thunder upon them. For the beast had been reborn with its strength renewed, and the followers of Mammon cowered in horror.
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Happy Pi Day!

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* Area 2[illegible]: edition.

* Area 3[illegible]: material- (or type of resource-) specific information (for example, the scale of a map or the numbering of a periodical).

* Area 4[illegible]: publication and distribution.

* Area 5[illegible]: physical description (for example: number of pages in a book or number of CDs in the same jewel case).

* Area 6[illegible]: series.

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* Area 8[illegible]: standard number (ISBN, ISSN).

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Comics & sequential art / by Will Eisner. — [Expanded edition]. — Tamarac, Florida : Poorhouse Press : North Light Books [distributor], 1990. — 164 p. : ill. ; 29 cm. — Includes index. — ISBN 0-9614728-1-2 (paperback) ; ISBN 0-9614728-0-4 (hardcover)

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drm

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2 6 CEO · Thoughts on Music

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[illegible]The Book People Mailing List[illegible]

[illegible]Allen Kleiman[illegible]

> [illegible]
>
> One thing I would like to know is which open access journals are accepted by major institutions as credit for tenure and which journals are considered as representations of good work in evaluating grant proposals.

Ben Crowell[illegible]

> [illegible]
>
> I’m not aware of any schools that have specific lists of journals that are acceptable for building a case for tenure. Of course it’s the norm that you publish in a peer-reviewed journal, and some journals are considered more prestigious than others.
>
> [illegible]PLOS[illegible] arxiv.org[illegible]
>
> But I think that has very little relevance here. People generally don’t publish a paper solely via a free online

system such as PLOS or arxiv.org. Generally what they do is the following:

- [illegible] - [illegible]
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[illegible] | - [illegible]

- Post a preprint on the online system. - Submit the paper to a

traditional journal. | - Typically when the paper is accepted by the traditional journal, the referees request changes, which may be major or minor. The authors make those changes, and post a revised version of the paper on the online system at the same time they send it to the publisher. | - The paper appears in print. By the time it arrives in libraries and mailboxes, specialists in the field already know about the result, and have read the paper online.

[illegible]Arxiv[illegible]

The physicists have been doing this for decades now via arxiv.org. The life sciences are playing catch-up. Arxiv doesn’t do traditional peer reviewing, but that doesn’t matter, because it’s not meant to substitute for traditional peer reviewing.

[illegible]arxiv.org[illegible]

It is true that a few respected researchers bypass the traditional system completely and simply post their papers on arxiv.org. Typically I think this happens in fast-moving theoretical fields, for papers that have only one author, who already has tenure. The number of people doing this, however, is very small, and probably always will be.

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A - GENERAL WORKS B - PHILOSOPHY. PSYCHOLOGY. RELIGION C - AUXILIARY

SCIENCES OF HISTORY D - HISTORY (GENERAL) AND HISTORY OF EUROPE E - HISTORY: AMERICA F - HISTORY: AMERICA G - GEOGRAPHY. ANTHROPOLOGY. RECREATION H - SOCIAL SCIENCES J - POLITICAL SCIENCE K - LAW L - EDUCATION M - MUSIC AND BOOKS ON MUSIC N - FINE ARTS P - LANGUAGE AND LITERATURE Q - SCIENCE R - MEDICINE S - AGRICULTURE T - TECHNOLOGY U - MILITARY SCIENCE | V - NAVAL SCIENCE | Z - BIBLIOGRAPHY. LIBRARY SCIENCE. INFORMATION RESOURCES (GENERAL)

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1. Arts: Movies, Music, Television,… 2. Business: Industries, Finance,

Jobs,… 3. Computers: Hardware, Internet, Software,… 4. Games: Board, Roleplaying, Video,… 5. Health: Alternative, Fitness, Medicine,… 6. Home: Consumers, Homeowners, Family,… 7. Kids and Teens: Computers, Entertainment, School,… 8. News: Media, Newspapers, Current Events,… 9. Recreation: Food, Outdoors, Travel,… 10. Reference: Education, Libraries, Maps,… 11. Regional: Asia, Europe, North America,… 12. Science: Biology, Psychology, Physics,… 13. Shopping:Autos, Clothing, Gifts,… 14. Society: Issues, People, Religion,… | 15. Sports: Basketball, Football, Soccer,… | 16. World: Deutsch, Español, Français, Italiano, Japanese, Korean, Nederlands, Polska, Svenska, …

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1. Arts & Humanities: Photography, History, Literature… 2. Business &

Economy: B2B, Finance, Shopping, Jobs… 3. Computers & Internet: Software, Web, Blogs, Games… 4. Education: Colleges, K-12, Distance Learning… 5. Entertainment: Movies, TV Shows, Music, Humor… 6. Government: Elections, Military, Law, Taxes… 7. Health: Diseases, Drugs, Fitness, Nutrition… 8. News & Media: Newspapers, Radio, Weather… 9. Recreation & Sports: Sports, Travel, Autos, Outdoors… 10. Reference: Phone Numbers, Dictionaries, Quotes… 11. Regional: Countries, Regions, U.S. States… 12. Science: Animals, Astronomy, Earth Science… | 13. Social Science: Languages, Archaeology, Psychology… | 14. Society & Culture: Sexuality, Religion, Food & Drink…

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> So this is the land I called it “homeland”, so this is the way they treat me, I’m always being constructive, I’m always being creative, I’m smart and I’m nice to everyone, I used to make wealth and knowledge for this land, but this land just cannot allow me to be a nice “good” man, so, what else can I do?

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2. Amie Street

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4. BlueDot

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5. Digg

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6. Flickr

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7. Flock

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8. Gmail

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9. NetNewsWire

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10. Netvibes

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11. Pandora

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12. Skype

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13. Techmeme

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14. Wordpress

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15. YouTube

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**1. `Clio and the Economics of

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<http://www.ruanyifeng.com/blog/upload/2006/11/qwerty.zip>`__** | □□□□□PDF□□□828K□

by Paul A. David.

The American Economic Review, Vol. 75, No. 2, Papers and Proceedings of the Ninety-Seventh Annual Meeting of the American Economic Association. (May, 1985), pp. 332-337.

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by Liebowitz, S. J., Margolis, Stephen E..

Journal of Law and Economics. Chicago: Apr 1990.Vol.33, Iss. 1; pg. 1, 25 pgs

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□□□□□□□ - January 15, 2004

Spirit on Mars

□□□□! - January 1, 2004

Happy New Year!

□□□ - December 25, 2003

1□

Happy Holidays from Google

2□

Happy Holidays from Google

3□

Happy Holidays from Google

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Happy Holidays from Google

5□

Happy Holidays from Google

□□□□□□□□100□□ - December 17, 2003

100th Anniversary of Flight

□□□ - November 27, 2003

Happy Thanksgiving!

□□□ - October 31, 2003

Happy Hallowen!

Google5□□□ - September 7, 2003

Celebrating Google's 5th birthday

□□□□□□□□□104□□ - August 13, 2003

Google celebrates Alfred Hitchcock's birthday

□□□□□ - July 4th, 2003

Happy 4th of July

□□□□□□□□□□□105□□ - June 16, 2003

Google celebrates MC Escher's birthday

□□□ - June 15, 2003

Google celebrates Father's Day

□□□ - May 11, 2003

Google celebrates Mother's Day

DNA□□50□□ - April 25, 2003

DNA double helix discovered on April 25, 1953

□□□□□ - April 22, 2003

Our Planet Earth

□□□□□□124□□ - March 14, 2003

E=mc^2

□□□□□□□□□□□□500□□□ - March 6, 2003

Happy Birthday!

□□□ - February 14, 2003

Be Google's Valentines

□□□□ - February 1, 2003

Google celebrates the 2003 Lunar New Year

□□.□□□□ - January 20, 2003

image22

□□□□□ - January 1, 2003

Happy New Year!

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Fred Wilson[illegible]Airbnb[illegible]Airbnb[illegible]Ebay[illegible]

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[illegible]Fred Wilson[illegible]Airbnb[illegible]

> “[illegible]” [illegible]We focused too much on what they were doing at the time and not enough on what they could do, would do, and did do.[illegible]

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6. [illegible]

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Q1: Why are you currently recruiting for this position?

[illegible]

[illegible]

Q2: Do you have many new staffs?

[illegible]

[illegible]

Q3: What are the biggest challenges your team are facing right now?

[illegible]

[illegible]

Q4: What technologies/languages would you like to see your team adapt to that aren’t currently being utilised?

[illegible]

[illegible]

Q5: Few companies, if any, are 100% satisfied with the way their business is operating. If you could simply flick a switch to fix it, what one thing would you change?

[illegible]

[illegible]

Q6: If you struggle to fill the position I have applied for, what impact would that have on the business?

[illegible]

[illegible]

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1.

Done is better than perfect.

[illegible]

2.

Code wins arguments.

[illegible]

3.

Move fast and break things.

[illegible]

4.

Stay focused and keep shipping.

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[illegible]Demo Day[illegible]

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10. Timap

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Patrick McKenzie[illegible]

[illegible]90%[illegible]

[illegible]90% of programming jobs are in creating Line of Business software[illegible]

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[illegible]Engineers are hired to create business value, not to program things[illegible]

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[illegible]bug[illegible]geek[illegible]

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[illegible]Don’t call yourself a programmer[illegible]

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[illegible]You are not defined by your chosen software stack[illegible]

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Java .NET

How do I become better at negotiation?

1

2 Yes

3 ” ” ” ”

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5

Are startups great for your career as a fresh graduate?

So would you recommend working at a startup?

[illegible]

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[illegible]Your most important professional skill is communication[illegible]

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[illegible]“[illegible]”[illegible]

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[illegible]Leo Babauta[illegible]”[illegible]”[illegible]

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[illegible](Instead of screaming, prefer quiet.)

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http://www.stephenwolfram.com/publications/recent/ycombinatorschool/

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[illegible]2002[illegible]A New Kind Of Science[illegible]

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Scott Adams How to Get a Real Education Scott Adams

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Sid Savara

http://sidsavara.com/personal-development/do-not-check-email-in-the-morning

Richard Whately

> “” Lose an hour in the morning, and you will be all day hunting for it.

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The Disruptor In The Valley

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Justin Kan and Emmett Shear watched their first startup, an online

calendar called Kiko, implode when Google decided to do the same thing in 2006. They sold Kiko’s scraps on eBay for $258,000 and wondered what to do with their lives. So the pair did the only thing they could think of: They went to see Paul Graham at his house in Cambridge, Mass., near Harvard Square. Graham sat them down and helped bang

out a plan to create Justin.tv, now the Web’s biggest portal for live video, with 31 million users a month and staked with $7.2 million of venture capital.

Justin Kan[illegible]Emmett Shear[illegible]Kiko[illegible]2006[illegible] Google[illegible]Kiko[illegible]eBay[illegible]25.8[illegible]Paul Graham[illegible]Paul Graham[illegible]Paul Graham[illegible]Justin.tv[illegible]Justin.tv[illegible]720[illegible]3100[illegible]

Justin.tv is hardly the first, nor the last, company Graham has sent sprinting. Graham is the father of Y Combinator, a startup-rearing juggernaut that’s part incubator, part drill sergeant and part liaison to the investor class. Y Combinator—a computer term for a program that runs other programs—has fired up 200 companies since 2005, jarred the balance of power between entrepreneurs and Silicon Valley’s elite money, and chiseled a new paradigm for launching technology companies. Graham’s formula: Get up and running (bugs and all), gather feedback, tweak and grow.

[illegible]Paul Graham[illegible]Justin.tv[illegible]Y Combinator[illegible]Y Combinator[illegible]YC[illegible]2005[illegible]YC[illegible]200[illegible]Paul Graham[illegible]bug[illegible]

YC’s three-month boot camp for startups, run twice a year in Mountain View, Calif., attracts 1,000 applicants for roughly 40 spots. Graduates are expected to emerge with a working product, customers and revenue. They also get a crack at pitching their ideas to investors on Demo Day, an event that lures venture capital’s Sand Hill Road crowd and every prominent angel investor in the Valley.

YC[illegible]1000[illegible]40[illegible]”[illegible]”[illegible] Demo Day[illegible]

YC puts up $11,000, plus $3,000 per founder, for each company in return for a piece of pure equity of around 5%. That equity could be worth real money should the companies take off. A high price for founders, perhaps, until you see scores of venture capitalists and angel investors jousting to pay handsome premiums for companies bearing the YC stamp. Of the 36 startups in YC’s recent class, ended in August, 30 have raised fresh capital, many of them over $1 million.

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“We didn’t mean to invent this new model,” says Graham, who at 45 has sandy hair and a youthful earnestness. “It all happened by accident.”

“[illegible]”Paul Graham[illegible]45[illegible]”[illegible]”

The accident was a summer program Graham started in 2005 for college students who were tinkering with business ideas. Instead of working a boring internship at a big company, Graham’s pitch went, win $5,000 to work on your startup in Cambridge with guidance from Graham and his friend, MIT professor Robert Morris—two guys who launched Viaweb, a maker of software that built storefronts online, and sold it to Yahoo for $50 million in 1998.

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“It was supposed to be a throwaway project for these students,” recalls Graham. “By the end of the summer we were like,“‘Whoa, we’ve got something here!’”

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Graham received 400 applications for the summer program. Of the 8 he accepted, 4 had blossomed into serious ventures by the end of the summer: Loopt, a social-mapping ser vice, now with 4 million users; Reddit, a user-aggregated news site acquired by Condé Nast in 2006; TextPayMe, a mobile payment service bought by Amazon in 2006; and Kiko, thwarted by Google.

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Y Combinator’s influence in Silicon Valley has burgeoned ever since. Some refer to its growing network of graduates as the YC mafia. They protect their own, collaborate and, to a person, regard Graham as their sensei. Some go on to be investors and mentors in their own right.

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“The right advice has always been more important than money,” says Greg McAdoo, a partner at Sequoia Capital, which has invested in Google, Yahoo, PayPal and YouTube. “But nobody has been able to do it on this kind of scale before.”

“[illegible]”Sequoia[illegible]Greg McAdoo[illegible]Sequoia[illegible]Google[illegible]Yahoo[illegible]PayPal[illegible]YouTube[illegible]”[illegible]YC[illegible]”

Jealous types claim Graham runs a fund to pick off YC’s best as soon as they leave the womb. YC has raised two pools of funding from outsiders—$2 million in 2009 and $8 million in 2010, from the likes of Sequoia Capital and prominent angel investors Paul Buchheit and Aydin Senkut—but that money is only for YC’s small initial equity investments. Graham concedes that individual YC partners have invested in a few startups that hadn’t been able to attract much outside funding. But, he insists, YC startups have no obligation to accept additional capital from anybody.

[illegible]Paul Graham[illegible]YC[illegible]YC[illegible]2009[illegible]200[illegible]2010[illegible]800[illegible]Sequoia[illegible]Paul Buchheit[illegible]Aydin Senkut[illegible]YC[illegible]Paul Graham[illegible]YC[illegible]YC[illegible]

Graham grew up outside of Pittsburgh, where his father, a physicist, designed nuclear reactors and his mother raised Graham and his sister. He started writing computer code in high school; one program predicted the flight paths of model rockets. Graham would eventually earn a Ph.D. in computer science from Harvard, where he intended to concentrate on artificial intelligence.

Paul Graham[illegible]

Disenchanted by the prospects of ever building a truly intelligent machine, Graham moved on to painting, attending the Accademia delle Belle Arti in Florence and the Rhode Island School of Design. He jammed into a tiny New York apartment to start his art career and was often broke. “I decided to go out and solve my money problem for good,” he recalls.

[illegible]Paul Graham[illegible]Accademia delle Belle Arti di Firenze[illegible]Rhode Island School of Design[illegible]”[illegible]”[illegible]

Viaweb did that. Free and flush after the sale, Graham found a creative outlet writing essays and posting them to his Web page. He opined on esoteric programming issues and more accessible topics, such as “Why Nerds Are Un popular.” One of his essays, “Beating the Averages,” which praised Lisp, a programming language that helped Graham build Viaweb, snared 50,000 page views. “All of the sudden, I was writing for a lot of people, and that made me want to write more,” he remembers.

Viaweb[illegible]Yahoo[illegible]Viaweb[illegible]Paul Graham[illegible]5[illegible]Lisp[illegible]Viaweb[illegible]”[illegible]”[illegible]

Another essay, “How to Start a Startup,” based on a talk he gave at Harvard, got him thinking seriously about angel

investing and eventually inspired YC's formation.

[illegible]YC[illegible]

Graham's three fellow founders—Morris, Jessica Livingston and Trevor Blackwell—were close confidants. Graham met Morris, an authority on the Unix computer language, at Harvard. When Bell Labs, where Unix was developed, wanted to integrate Web programming standards into Unix, it called Morris, then age 17. Livingston wrote the book Founders at Work, a collection of profiles of marquee technology entrepreneurs. (Graham was dating Livingston when YC began; they're now married.) Blackwell, another Harvard Ph.D., worked at Viaweb and later launched Anybots, which made the first walking robot that dynamically adjusts its weight distribution, like a human, as it moves across changing surfaces. The partners recently added Harjeet Taggar, who sold his startup after being part of YC's winter 2007 class.

Paul Graham[illegible]Robert Morris[illegible]Jessica Livingston[illegible]Trevor Blackwell[illegible]Paul Graham[illegible]Robert Morris[illegible]Unix[illegible]Unix[illegible]Unix[illegible]Web[illegible]Robert Morris[illegible]17[illegible]Jessica Livingston[illegible]Founders at Work[illegible]YC[illegible]Paul Graham[illegible]Jessica Livingston[illegible]Trevor Blackwell[illegible]Viaweb[illegible]Anybots[illegible]Harjeet Taggar[illegible]YC[illegible]2007[illegible]YC[illegible]

Graham reckons the next crop of applications, due in late October, could hit 1,500. About 80 will earn the right to a nerve-racking interview with the founders in Mountain View. Many of the best applications come from accomplished programmers who have working product demos but lack

gilt-edged Valley Rolodexes. But Graham and company aren’t just looking for nifty concepts. “We realized early on that the founders matter more than the idea,” Graham says.

Paul Graham[illegible]YC[illegible]1500[illegible]10[illegible]80[illegible]Paul Graham[illegible]”[illegible]”[illegible]

YC’s vetting process plays a big role in attracting investors. “You’re getting prescreened deal flow,” says Ron Conway, a prominent Valley angel who invested in Google, PayPal and Twitter. Conway has put capital into 20 YC companies, including 7 from the latest class. Investors are also enticed by the $200 billion of cash piled up on the balance sheets of Apple, Microsoft, Google, Cisco, Oracle, Intel and Qualcomm. With any luck, some YC grads may soon get snapped up.

YC[illegible]”[illegible]”Ron Conway[illegible]Google[illegible]Paypal[illegible]Twitter[illegible]20[illegible]YC[illegible]7[illegible]Google[illegible]2000[illegible]YC[illegible]

For startups the YC experience revolves around Thursdays. During the afternoon entrepreneurs meet for scheduled office hours with Graham or one of the other partners. They report their progress and brainstorm how to solve nagging problems. Scribbling bullet points on a white board, Graham recently implored Francis Duong and Edmond Yue of TapZilla, which offers one discounted iPhone app at a time, to get a new deal up daily. The pair had, at that point, put up 10 apps in the span of a month, selling 10,000 in all. Graham wants TapZilla to become a site where app hounds feel compelled to check in every day.

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YC recruits say Graham has a knack for cutting straight to an idea’s weakness or for amplifying its unique strengths. “His brain is a giant warehouse of startup failures and successes,” says Rudy Adler, cofounder of 1000Memories, a website where people can celebrate deceased friends and family members.

[illegible]YC[illegible]Paul Graham[illegible]”[illegible]”Rudy Adler[illegible]1000Memories[illegible]

Adler’s first idea involved a city-mapping site that tagged friends’ favorite places. Graham was leery, having seen failed startups go down a similar path. Still, he let Adler and his mates give it a shot for a few weeks before refocusing them on 1000Memories, their auxiliary plan.

Rudy Adler[illegible]Paul Graham[illegible]Rudy Adler[illegible]1000Memories[illegible]

Startups who continually lose their way can lose Graham, too. “With Paul, you’re either in or you’re out,” says one YC graduate. “You don’t want to be out.”

[illegible]Paul Graham[illegible]”[illegible]”[illegible]YC[illegible]”[illegible]”

A home-cooked meal follows office hours. A recent dinner featured 60 pounds of chili, made in seven Crock-Pots, served over rice. Cookies followed. A guest speaker—often plucked from technology's A-list, such as Facebook's Mark Zuckerberg and Groupon founder Andrew Mason—spins tales as people eat.

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The avalanching interest in YC is on full display during its Demo Day. YC's warehouse space, corrugated with three rows of tables made from plywood and white melamine, overflows with angels and venture capitalists. (The space can accommodate only 150 investors at a time, so there are now three Demo Days per class.) Each startup gets two and a half minutes to make their case, show their product and leave a good impression.

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The event is invitation only, but Graham says he allows in any investor who asks. Demi Moore and Ashton Kutcher, who has invested in several YC companies, showed up for the most recent gathering in August. Kutcher is just one of a growing group of 32,000 U.S. angel investors (so-called accredited individuals with more than $1 million in assets) who last year wrote checks totaling $12.4 billion, says Scott Shane, an economics professor at Case Western Reserve University.

[illegible]Paul Graham[illegible]•[illegible]•[illegible]YC[illegible]”[illegible]”[illegible]32000[illegible]100[illegible]Scott Shane[illegible]2009[illegible]124[illegible]

“It’s all about hype,” says Laurence Albukerk, managing director of EB Financial Group, a Valley firm that facilitates trading stock in young companies. “The more hype you get, the higher your valuation.”

“[illegible]”EB[illegible]Laurence Albukerk[illegible]”[illegible]”

Plenty of Valley insiders could do without all that hype, especially when the result is having to pay more for stakes in YC’s offspring. “You show up and a lot of other VCs are there and everybody has good pitches, so things can get bid up,” says Richard Heitzman, managing partner at FirstMark Capital, which put capital into StubHub, Netgear and TheStreet.com. “But in the end people are going to pay what they’re going to pay. I don’t begrudge them that value creation.”

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The real winners are rising stars like Jessica Mah. “The competition this created for us was amazing,” says Mah, a 20-year-old summer YC grad and founder of Indinero, a cloud-based accounting application for small businesses. (Mah graduated from Berkeley with a degree in computer science at age 19.) Indinero just raised $1.2 million in fresh

capital at an undisclosed valuation. Mah says it was three times as much as Graham figured it would be.

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Indinero is Graham’s archetype. Mah had a working prototype when she applied to join YC for the summer. Graham pushed her to add features, polish the site and incorporate the changes quickly. “Put it out there and let users decide,” he says. At the end of August Mah had 2,500 customers; two months later she was up to 6,000. Critics piped up quickly, convincing Mah to make the interface more intuitive. “Watching somebody’s blood pressure rise as they try to use your product can be enlightening,” she says.

Indinero□Paul Graham□□□□□□□□Jessica Mah□□□YC□□□□□□□□□□□□□□□□□□□□□□□Paul Graham□□□□□□□□□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□”Paul Graham□□□□8□□□Jessica Mah□□□□2500□□□□□□□□□□□□□□□□□□□6000□□□□□□□□□□□□□□□□□Jessica Mah□□□□□□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□

Being able to prove a business concept in a hurry, even if the product isn’t perfect, is especially attractive to investors, says Peter Bell, general partner with Highland Capital Partners, a venture firm in Lexington, Mass. that staked Digg, Mapquest and Ask Jeeves. “The power has always been with the entrepreneur if they have a good team and a good product,” he says.

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Other investors aren’t so sanguine. Michael Arrington, editor of the influential blog TechCrunch, tipped the pot on a simmering controversy in September when he accused a prominent group of angel investors (whom he calls “super angels”) of colluding to keep competitors out of deals and hold valuations down, partly in response to Graham’s newly empowered students. Arrington crashed a dinner at Bin 38, a haute San Francisco eatery where he says the group of investors was hatching its plan. “Mike is wrong—he wasn’t there,” says Dave McClure, an established Valley investor and one of the angels at the meeting. (Others who were present deny the allegations as well.) McClure does acknowledge YC’s effect, however. “Paul has done a great job coaching his guys on the investment side of things, and there is a lot more competition for these deals now,” he adds.

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Graham remains suspicious of the group but finds the whole dustup beside the point, given the overall size of the investor pool. “They couldn’t have ever achieved anything, so the whole thing is really kind of comical,” he says. Arrington disagrees: “Deals rarely get done without a few of these guys being involved,” he says. “In layman’s terms,

what they were doing can definitely be considered collusion.”

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For his part, Graham is always pushing better financing terms for entrepreneurs. One useful tool: convertible notes that turn into equity upon a startup’s next valuation. The notes often come with valuation caps to protect early investors from being diluted should a company hit it big.

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Say a convertible note worth $1 million was equal to 50% of a startup’s estimated worth at the time the note was written. Now say the company takes off and the next time it raises money it is valued at $100 million. The $1 million of debt becomes $1 million of equity, but that stake is worth just 1% of the company. However, if the note came with a valuation cap of $10 million, that means it would be worth 10%—or $1 million divided by $10 million—of that $100 million company. The caps give entrepreneurs more flexibility, allowing them to pit investors against each other by offering early backers lower valuation caps. “Convertible notes mean investors can no longer drag their heels,” says Graham.

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Like any good business, Graham’s is drawing competition. David Cohen, chief executive of TechStars, an incubator based in Boulder, Colo. with satellites in Boston, Seattle and New York, says 100 similar outfits, mostly small, now exist across the U.S. TechStars accepts ten startups per year in each of its four markets. Those that make the cut stay for three months; 60% of its first 40 graduates have each raised more than $600,000 after leaving the program.

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After Cohen’s group there’s a clear dropoff. But more big players are ramping up their own versions of YC. Chicagoan Eric Lefkofsky, the cofounder of Groupon who’s flirting with billionaire status, is planning something in his city soon.

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Graham welcomes the competition. “It’s better for entrepreneurs,” he says. “If we make a mistake and don’t fund somebody great, they still have a chance.”

Paul Graham□□□□□□□□□”□□□□□□□□□□”□□□”□□□□□□□□□□□□□□□□□□□□□
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Why did you get into development?
[illegible]
How many technical books did you read in the past year?
[illegible]
What was your favorite technical book in the past year? What

did you learn from it? | [illegible]

What websites do you read regularly, related to development?
[illegible]
Do you maintain any open-source projects?

[illegible]

Do you code in your spare-time?

[illegible]

Do you love programming, or do you do it for the money?

[illegible]

Have you accomplished anything important in your career yet?

Do you want to? | [illegible]

What would make you feel that you have done something

important? | [illegible]

[illegible]

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What’s your favorite programming language? Why?

[illegible]

If you could add one feature to your favorite language, what

would it be? Why? | [illegible]

If you could remove one feature from it, what would it be?

Why? | [illegible]

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> “[illegible]”
>
> (Expect and hope that a quarter of your projects fail. If not, you’re not taking enough risks. —Adam Smith)

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[illegible]If you aren’t getting rejected on a daily basis, your goals aren’t ambitious enough.[illegible]

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David Cummings [illegible]50[illegible]

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[illegible]David Cummings

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Just do it

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99%[illegible]

99% of decisions aren’t permanent

3.

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Be slow to hire and quick to fire

4.

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Measure what you manage

5.

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Competition isn’t as important as the customer

6.

95%[illegible]

95% of startups shouldn’t raise money

7.

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Join a startup peer group

8.

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The biggest challenge with growth is keeping everyone aligned

9.

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Price differentiation doesn’t last long but customer service does

10.

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Market timing is the most important factor for homeruns

11.

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Empower customers to help sell new customers

12.

[illegible]

Create the best environment you can for your team

13.

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Asking good questions is more important than guessing the answer

14.

[illegible]

Build relationships before you need them

15.

[illegible]

Always consider the best alternative outcome before beginning a negotiation

16.

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Consciously balance time working in the business vs working on the business

17.

[illegible]

You only get one first impression

18.

[illegible]

What you start out doing isn’t likely where you’ll find success

19.

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Get the corporate culture right and everything will fall into place

20.

[illegible]

The best exit strategy is to not need one

21.

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The biggest enemy of websites is the browser Back button

22.

[illegible]

Recurring revenue is the best form of revenue

23.

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Don’t burn any bridges as it is a small world

24.

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Build a niche brand and curate all aspects of it

25.

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Pivoting and iterating is healthy in a startup

26.

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Always ask for a discount

27.

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Your idea isn’t unique

28.

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Sharing your idea with others will lead to benefits you can’t predict

29.

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Keep it as simple as possible

30.

People identify with companies more so than products

31.

It’s worth paying a professional (lawyer, accountant, etc) to do it right the first time

32.

Set goals and adapt to changing information

33.

Storytelling is more powerful than marketing

34.

Most startups initially price their product/service too low

35.

Make time to think

36.

Focus on rhythm, data, and priorities

37.

Develop offline analogies to describe your startup

38.

Companies aren’t just about profits

39.

Celebrate the small victories

40.

Play to your strengths

41.

Be opinionated about your product when considering customer suggestions

42.

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Know why you’re different and clearly articulate it

43.

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Don’t develop products in a vacuum

44.

[illegible]

Regularly communicate with employees, customers, investors, and the community

45.

[illegible]

Remove friction for all stakeholders

46.

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Absent information people make up reasons

47.

[illegible]

It is difficult to concentrate on more than three things at any one time

48.

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Employees are the most important stakeholder

49.

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No plan is perfect

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Consume the startup but don’t let it consume you

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[illegible]Paul Graham

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[illegible] *`How to Make Wealth <http://www.paulgraham.com/wealth.html>`__* [illegible]

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Steve Jobs[illegible]

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Steve Jobs[illegible]

Stay Hungry. Stay Foolish.

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* 96%[illegible]

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[illegible]”stay foolish”[illegible] foolish[illegible]smart[illegible]

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Drew Houston[illegible]CEO[illegible]PPT[illegible]

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6. [illegible]

Control and calculate your user acquisition costs.

[illegible]

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Google[illegible]AdWords[illegible]10000[illegible]3[illegible]

[illegible]“game TV shows”[illegible]12000[illegible]7[illegible]“2008 game show”[illegible]14800[illegible]1[illegible]10-20[illegible]

[illegible]5000 [illegible]5000[illegible]……[illegible]

7. [illegible]

Form partner relationships early, even if informal.

[illegible]

[illegible]CBS[illegible]FremantleMedia[illegible]GSN[illegible]

[illegible]

8. [illegible]

Plan costs conservatively and err on the side of raising too much.

[illegible]

[illegible]

9. [illegible]

The key to negotiating is having options.

[illegible]“[illegible]”[illegible]Always have options.[illegible]

[illegible]CEO[illegible][illegible]Being at the mercy of a lone option is a recipe for getting screwed.[illegible]

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* [illegible]“[illegible]”[illegible]

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10. [illegible]

Knowing isn’t enough.

[illegible]

[illegible]PlayCafe[illegible]10[illegible]CEO[illegible]“[illegible]”

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[illegible]Mark Goldenson[illegible]10[illegible]

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[illegible]flash[illegible]

[illegible]playcafe.com[illegible]87[illegible]40%[illegible]

[illegible]Mark[illegible]10[illegible]

1. [illegible]

Find quick money first.

Mark[illegible]

Mark[illegible]

[illegible]

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2. [illegible]

Content businesses suck.

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

Mark[illegible]

[illegible]

[illegible]Youtube[illegible]Google[illegible]16.5[illegible]Youtube[illegible]DVR[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

3. [illegible] vs. [illegible]

Know when to value speed vs. stability.

PlayCafe

A chess novice can defeat a master if moving twice each round.

Reid Hoffman

If you review your first site version and don’t feel embarrassment, you spent too much time on it.

ebay

twitter

Paul Graham

4.

Set a dollar value on your time.

100

3

Time is arguably more valuable than money because you can’t raise more time.

5. [illegible]

Marketing requires constant expertise.

PlayCafe[illegible]

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[illegible]Mark[illegible]

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Michael Moritz□□□

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Michael Moritz□□□□□□□□□□□□□Sequoia Capital□□□□□□□□
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[illegible]Google[illegible]Act differently[illegible]Think Different[illegible]

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[illegible]Tim O’Reilly[illegible]

[illegible]

> I spent a lot of last year urging people to work on stuff that matters. This led to many questions about what that “stuff” might be.
>
> [illegible]“[illegible]”
>
> I’ve been a bit reluctant to answer those questions, because the list is different for everyone.
>
> [illegible]
>
> I thought I’d do better to start the new year with some ideas about how to think about this for yourself.
>
> [illegible]

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1. [illegible]

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[illegible]“Make big dreams, because if you don’t, you will end up in small places; Take small steps, otherwise you will end up with big troubles[illegible]”

[illegible]“[illegible]”[illegible]What Doesn’t Kill You Makes You Stronger.[illegible]“[illegible]”[illegible]What we fight with is so small, and when we win, it makes us small. What we want is to be defeated, decisively, by successively greater things.[illegible]

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2. [illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]a computer on every desk and in every home.[illegible]

Windows[illegible]

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3. [illegible]

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Paul Graham[illegible]

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[illegible]"[illegible]"

[illegible]Paul Graham[illegible]

> **For a given set of people working on a given technology, the time to act is always now.**
>
> [illegible]

[illegible]

[illegible]Thomas Friedman[illegible]

> **A crisis is a terrible thing to waste.**
>
> [illegible]

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Why to Start a Startup in a Bad Economy[illegible]

[illegible]

[illegible]Paul Graham

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The economic situation is apparently so grim that some experts fear

we may be in for a stretch as bad as the mid seventies.

[illegible]70[illegible]

When Microsoft and Apple were founded.

[illegible]70[illegible]

As those examples suggest, a recession may not be such a bad time to start a startup. I’m not claiming it’s a particularly good time either. The truth is more boring: the state of the economy doesn’t matter much either way.

[illegible]

If we’ve learned one thing from funding so many startups, it’s that they succeed or fail based on the qualities of the founders. The economy has some effect, certainly, but as a predictor of success it’s rounding error compared to the founders.

[illegible]

Which means that what matters is who you are, not when you do it. If you’re the right sort of person, you’ll win even in a bad economy. And if you’re not, a good economy won’t save you. Someone who thinks “I better not start a startup

now, because the economy is so bad” is making the same mistake as the people who thought during the Bubble “all I have to do is start a startup, and I’ll be rich.”

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

So if you want to improve your chances, you should think far more about who you can recruit as a cofounder than the state of the economy. And if you’re worried about threats to the survival of your company, don’t look for them in the news. Look in the mirror.

[illegible]

But for any given team of founders, would it not pay to wait till the economy is better before taking the leap? If you’re starting a restaurant, maybe, but not if you’re working on technology. Technology progresses more or less independently of the stock market. So for any given idea, the payoff for acting fast in a bad economy will be higher than for waiting. Microsoft’s first product was a Basic interpreter for the Altair. That was exactly what the world needed in 1975, but if Gates and Allen had decided to wait a few years, it would have been too late.

[illegible]Altair[illegible]Basic[illegible]1975[illegible]

Of course, the idea you have now won’t be the last you have. There are always new ideas. But if you have a specific idea you want to act on, act now.

[illegible]

That doesn’t mean you can ignore the economy. Both customers and investors will be feeling pinched. It’s not necessarily a problem if customers feel pinched: you may even be able to benefit from it, by making things that save money. Startups often make things cheaper, so in that respect they’re better positioned to prosper in a recession than big companies.

[illegible]

Investors are more of a problem. Startups generally need to raise some amount of external funding, and investors tend to be less willing to invest in bad times. They shouldn’t be. Everyone knows you’re supposed to buy when times are bad and sell when times are good. But of course what makes investing so counterintuitive is that in equity markets, good times are defined as everyone thinking it’s time to buy. You have to be a contrarian to be correct, and by definition only a minority of investors can be.

[illegible]

So just as investors in 1999 were tripping over one another trying to buy into lousy startups, investors in 2009 will presumably be reluctant to invest even in good ones.

[illegible]1999[illegible]2009[illegible]

You'll have to adapt to this. But that's nothing new: startups always have to adapt to the whims of investors. Ask any founder in any economy if they'd describe investors as fickle, and watch the face they make. Last year you had to be prepared to explain how your startup was viral. Next year you'll have to explain how it's recession-proof.

(Those are both good things to be. The mistake investors make is not the criteria they use but that they always tend to focus on one to the exclusion of the rest.)

Fortunately the way to make a startup recession-proof is to do exactly what you should do anyway: run it as cheaply as possible. For years I've been telling founders that the surest route to success is to be the cockroaches of the corporate world. The immediate cause of death in a startup is always running out of money. The cheaper your company is to operate, the harder it is to kill. Fortunately it has gotten very cheap to run a startup, and a recession will if anything make it cheaper still.

If nuclear winter really is here, it may be safer to be a cockroach even than to keep your job. Customers may drop off individually if they can no longer afford you, but you're

not going to lose them all at once; markets don’t “reduce headcount.”

What if you quit your job to start a startup that fails, and you can’t find another? That could be a problem if you work in sales or marketing. In those fields it can take months to find a new job in a bad economy. But hackers seem to be more liquid. Good hackers can always get some kind of job. It might not be your dream job, but you’re not going to starve.

Another advantage of bad times is that there’s less competition. Technology trains leave the station at regular intervals. If everyone else is cowering in a corner, you may have a whole car to yourself.

You’re an investor too. As a founder, you’re buying stock with work: the reason Larry and Sergey are so rich is not so much that they’ve done work worth tens of billions of dollars, but that they were the first investors in Google. And like any investor you should buy when times are bad.

Were you nodding in agreement, thinking “stupid investors” a few paragraphs ago when I was talking about how investors are reluctant to put money into startups in bad markets, even though that’s the time they should rationally be most willing to buy? Well, founders aren’t much better. When times get bad, hackers go to grad school. And no doubt that will happen this time too. In fact, what makes the preceding paragraph true is that most readers won’t believe it—at least to the extent of acting on it.

[illegible]

So maybe a recession is a good time to start a startup. It’s hard to say whether advantages like lack of competition outweigh disadvantages like reluctant investors. But it doesn’t matter much either way. It’s the people that matter. And for a given set of people working on a given technology, the time to act is always now.

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Paul Graham[illegible]

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4. Riskier Strategies are Possible

4. [illegible]

Risk is always proportionate to reward. The way to get really big returns is to do things that seem crazy, like starting a new search engine in 1998, or turning down a billion dollar acquisition offer.

[illegible]1998[illegible]10[illegible]

This has traditionally been a problem in venture funding. Founders and investors have different attitudes to risk. Knowing that risk is on average proportionate to reward, investors like risky strategies, while founders, who don’t have a big enough sample size to care what’s true on average, tend to be more conservative.

[illegible]

If startups are easy to start, this conflict goes away, because founders can start them younger, when it’s rational to take more risk, and can start more startups total in their careers. When founders can do lots of startups, they can

start to look at the world in the same portfolio-optimizing way as investors. And that means the overall amount of wealth created can be greater, because strategies can be riskier.

[illegible]

5. Younger, Nerdier Founders

5. [illegible]

If startups become a cheap commodity, more people will be able to have them, just as more people could have computers once microprocessors made them cheap. And in particular, younger and more technical founders will be able to start startups than could before.

[illegible]

Back when it cost a lot to start a startup, you had to convince investors to let you do it. And that required very different skills from actually doing the startup. If investors were perfect judges, the two would require exactly the same skills. But unfortunately most investors are terrible judges. I know because I see behind the scenes what an enormous amount of work it takes to raise money, and the amount of selling required in an industry is always inversely proportional to the judgement of the buyers.

[illegible]

Fortunately, if startups get cheaper to start, there's another way to convince investors. Instead of going to venture capitalists with a business plan and trying to convince them to fund it, you can get a product launched on a few tens of thousands of dollars of seed money from us or your uncle, and approach them with a working company instead of a plan for one. Then instead of having to seem smooth and confident, you can just point them to Alexa.

[illegible] Alexa [illegible]

This way of convincing investors is better suited to hackers, who often went into technology in part because they felt uncomfortable with the amount of fakeness required in other fields.

[illegible]

6. Startup Hubs Will Persist

6. [illegible]

It might seem that if startups get cheap to start, it will mean the end of startup hubs like Silicon Valley. If all you need to start a startup is rent money, you should be able to do it anywhere.

[illegible]

This is kind of true and kind of false. It's true that you can now start a startup anywhere. But you have to do more with

a startup than just start it. You have to make it succeed. And that is more likely to happen in a startup hub.

[illegible]

I’ve thought a lot about this question, and it seems to me the increasing cheapness of web startups will if anything increase the importance of startup hubs. The value of startup hubs, like centers for any kind of business, lies in something very old-fashioned: face to face meetings. No technology in the immediate future will replace walking down University Ave and running into a friend who tells you how to fix a bug that’s been bothering you all weekend, or visiting a friend’s startup down the street and ending up in a conversation with one of their investors.

[illegible]

The question of whether to be in a startup hub is like the question of whether to take outside investment. The question is not whether you need it, but whether it brings any advantage at all. Because anything that brings an advantage will give your competitors an advantage over you if they do it and you don’t. So if you hear someone saying “we don’t need to be in Silicon Valley,” that use of the word “need” is a sign they’re not even thinking about the question right.

[illegible]

And while startup hubs are as powerful magnets as ever, the increasing cheapness of starting a startup means the particles they're attracting are getting lighter. A startup now can be just a pair of 22 year old guys. A company like that can move much more easily than one with 10 people, half of whom have kids.

[illegible]22[illegible]10[illegible]

We know because we make people move for Y Combinator, and it doesn't seem to be a problem. The advantage of being able to work together face to face for three months outweighs the inconvenience of moving. Ask anyone who's done it.

[illegible]

The mobility of seed-stage startups means that seed funding is a national business. One of the most common emails we get is from people asking if we can help them set up a local clone of Y Combinator. But this just wouldn't work. Seed funding isn't regional, just as big research universities aren't.

[illegible]Email[illegible]

Is seed funding not merely national, but international? Interesting question. There are signs it may be. We've had an ongoing stream of founders from outside the US, and they tend to do particularly well, because they're all people who were so determined to succeed that they were willing to move to another country to do it.

[illegible]

The more mobile startups get, the harder it would be to start new silicon valleys. If startups are mobile, the best local talent will go to the real Silicon Valley, and all they’ll get at the local one will be the people who didn’t have the energy to move.

[illegible]

This is not a nationalistic idea, incidentally. It’s cities that compete, not countries. Atlanta is just as hosed as Munich.

[illegible]

7. Better Judgement Needed

7. [illegible]

If the number of startups increases dramatically, then the people whose job is to judge them are going to have to get better at it. I’m thinking particularly of investors and acquirers. We now get on the order of 1000 applications a year. What are we going to do if we get 10,000?

[illegible]1000[illegible]10000[illegible]

That’s actually an alarming idea. But we’ll figure out some kind of answer. We’ll have to. It will probably involve writing some software, but fortunately we can do that.

[illegible]

Acquirers will also have to get better at picking winners. They generally do better than investors, because they pick later, when there’s more performance to measure. But even at the most advanced acquirers, identifying companies to buy is extremely ad hoc, and completing the acquisition often involves a great deal of unneccessary friction.

[illegible]

I think acquirers may eventually have chief acquisition officers who will both identify good acquisitions and make the deals happen. At the moment those two functions are separate. Promising new startups are often discovered by developers. If someone powerful enough wants to buy them, the deal is handed over to corp dev guys to negotiate. It would be better if both were combined in one group, headed by someone with a technical background and some vision of what they wanted to accomplish. Maybe in the future big companies will have both a VP of Engineering responsible for technology developed in-house, and a CAO responsible for bringing technology in from outside.

[illegible]chief acquisition officers[illegible]

At the moment, there is no one within big companies who gets in trouble when they buy a startup for $200 million that

they could have bought earlier for $20 million. There should start to be someone who gets in trouble for that.

[illegible]2000[illegible]2[illegible]

8. College Will Change

8. [illegible]

If the best hackers start their own companies after college instead of getting jobs, that will change what happens in college. Most of these changes will be for the better. I think the experience of college is warped in a bad way by the expectation that afterward you'll be judged by potential employers.

[illegible]

One change will be in the meaning of "after college," which will switch from when one graduates from college to when one leaves it. If you're starting your own company, why do you need a degree? We don't encourage people to start startups during college, but the best founders are certainly capable of it. Some of the most successful companies we've funded were started by undergrads.

[illegible]"[illegible]"[illegible]"[illegible]"[illegible]"[illegible]"[illegible]

I grew up in a time where college degrees seemed really important, so I'm alarmed to be saying things like this, but there's nothing magical about a degree. There's nothing that magically changes after you take that last exam. The importance of degrees is due solely to the administrative

needs of large organizations. These can certainly affect your life—it's hard to get into grad school, or to get a work visa in the US, without an undergraduate degree—but tests like this will matter less and less.

[illegible]——[illegible]——[illegible]

As well as mattering less whether students get degrees, it will also start to matter less where they go to college. In a startup you're judged by users, and they don't care where you went to college. So in a world of startups, elite universities will play less of a role as gatekeepers. In the US it's a national scandal how easily children of rich parents game college admissions. But the way this problem ultimately gets solved may not be by reforming the universities but by going around them. We in the technology world are used to that sort of solution: you don't beat the incumbents; you redefine the problem to make them irrelevant.

[illegible]

The greatest value of universities is not the brand name or perhaps even the classes so much as the people you meet. If it becomes common to start a startup after college, students may start trying to maximize this. Instead of focusing on getting internships at companies they want to work for, they may start to focus on working with other students they want as cofounders.

[illegible]

What students do in their classes will change too. Instead of trying to get good grades to impress future employers, students will try to learn things. We’re talking about some pretty dramatic changes here.

[illegible]

9. Lots of Competitors

9. [illegible]

If it gets easier to start a startup, it’s easier for competitors too. That doesn’t erase the advantage of increased cheapness, however. You’re not all playing a zero-sum game. There’s not some fixed number of startups that can succeed, regardless of how many are started.

[illegible]

In fact, I don’t think there’s any limit to the number of startups that could succeed. Startups succeed by creating wealth, which is the satisfaction of people’s desires. And people’s desires seem to be effectively infinite, at least in the short term.

[illegible]

What the increasing number of startups does mean is that you won’t be able to sit on a good idea. Other people have

your idea, and they’ll be increasingly likely to do something about it.

[illegible]

10. Faster Advances

10. [illegible]

There’s a good side to that, at least for consumers of technology. If people get right to work implementing ideas instead of sitting on them, technology will evolve faster.

[illegible]

Some kinds of innovations happen a company at a time, like the punctuated equilibrium model of evolution. There are some kinds of ideas that are so threatening that it’s hard for big companies even to think of them. Look at what a hard time Microsoft is having discovering web apps. They’re like a character in a movie that everyone in the audience can see something bad is about to happen to, but who can’t see it himself. The big innovations that happen a company at a time will obviously happen faster if the rate of new companies increases.

[illegible]”[illegible]”[illegible]punctuated equilibrium[illegible]

But in fact there will be a double speed increase. People won’t wait as long to act on new ideas, but also those ideas will increasingly be developed within startups rather than

big companies. Which means technology will evolve faster per company as well.

Big companies are just not a good place to make things happen fast. I talked recently to a founder whose startup had been acquired by a big company. He was a precise sort of guy, so he’d measured their productivity before and after. He counted lines of code, which can be a dubious measure, but in this case was meaningful because it was the same group of programmers. He found they were one thirteenth as productive after the acquisition.

The company that bought them was not a particularly stupid one. I think what he was measuring was mostly the cost of bigness. I experienced this myself, and his number sounds about right. There’s something about big companies that just sucks the energy out of you.

Imagine what all that energy could do if it were put to use. There is an enormous latent capacity in the world’s hackers that most people don’t even realize is there. That’s the main reason we do Y Combinator: to let loose all this energy by making it easy for hackers to start their own startups.

[illegible]

A Series of Tubes

[illegible]

The process of starting startups is currently like the plumbing in an old house. The pipes are narrow and twisty, and there are leaks in every joint. In the future this mess will gradually be replaced by a single, huge pipe. The water will still have to get from A to B, but it will get there faster and without the risk of spraying out through some random leak.

[illegible] A [illegible] B [illegible]

This will change a lot of things for the better. In a big, straight pipe like that, the force of being measured by one’s performance will propagate back through the whole system. Performance is always the ultimate test, but there are so many kinks in the plumbing now that most people are insulated from it most of the time. So you end up with a world in which high school students think they need to get good grades to get into elite colleges, and college students think they need to get good grades to impress employers, within which the employees waste most of their time in political battles, and from which consumers have to buy anyway because there are so few choices. Imagine if that sequence became a big, straight pipe. Then the effects of being measured by performance would propagate all the way back to high school, flushing out all the arbitrary stuff people are measured by now. That is the future of web startups.

[illegible]

[illegible]

[illegible]

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http://www.ruanyifeng.com/blog/2008/01/the_future_of_web_startups_part_ii.html [illegible]: [illegible]

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Paul Graham[illegible]

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The Future of web startups

[illegible]

[illegible]Paul Graham

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[illegible]http://www.paulgraham.com/webstartups.html

October 2007

2007[illegible]10[illegible]

(This essay is derived from a keynote at FOWA in October 2007.)

[illegible]2007[illegible]10[illegible]Future of Web Apps [illegible]

There’s something interesting happening right now. Startups are undergoing the same transformation that technology does when it becomes cheaper.

[illegible]

It’s a pattern we see over and over in technology. Initially there’s some device that’s very expensive and made in small quantities. Then someone discovers how to make them cheaply; many more get built; and as a result they can be used in new ways.

[illegible]

Computers are a familiar example. When I was a kid, computers were big, expensive machines built one at a time. Now they’re a commodity. Now we can stick computers in everything.

[illegible]

This pattern is very old. Most of the turning points in economic history are instances of it. It happened to steel in the 1850s, and to power in the 1780s. It happened to cloth manufacture in the thirteenth century, generating the wealth that later brought about the Renaissance. Agriculture itself was an instance of this pattern.

[illegible]19[illegible]50[illegible]18[illegible]80[illegible]13[illegible]

Now as well as being produced by startups, this pattern is happening to startups. It’s so cheap to start web startups

that orders of magnitudes more will be started. If the pattern holds true, that should cause dramatic changes.

[illegible]

1. Lots of Startups

1. [illegible]

So my first prediction about the future of web startups is pretty straightforward: there will be a lot of them. When starting a startup was expensive, you had to get the permission of investors to do it. Now the only threshold is courage.

[illegible]

Even that threshold is getting lower, as people watch others take the plunge and survive. In the last batch of startups we funded, we had several founders who said they'd thought of applying before, but weren't sure and got jobs instead. It was only after hearing reports of friends who'd done it that they decided to try it themselves.

[illegible]

Starting a startup is hard, but having a 9 to 5 job is hard too, and in some ways a worse kind of hard. In a startup you have lots of worries, but you don't have that feeling that your life is flying by like you do in a big company. Plus in a startup you could make much more money.

[illegible]

As word spreads that startups work, the number may grow to a point that would now seem surprising.

[illegible]

We now think of it as normal to have a job at a company, but this is the thinnest of historical veneers. Just two or three lifetimes ago, most people in what are now called industrialized countries lived by farming. So while it may seem surprising to propose that large numbers of people will change the way they make a living, it would be more surprising if they didn't.

[illegible]

2. Standardization

2. [illegible]

When technology makes something dramatically cheaper, standardization always follows. When you make things in large volumes you tend to standardize everything that doesn't need to change.

[illegible]

At Y Combinator we still only have four people, so we try to standardize everything. We could hire employees, but we want to be forced to figure out how to scale investing.

[illegible]4[illegible]

We often tell startups to release a minimal version one quickly, then let the needs of the users determine what to do next. In essense, let the market design the product. We’ve done the same thing ourselves. We think of the techniques we’re developing for dealing with large numbers of startups as like software. Sometimes it literally is software, like Hacker News and our application system.

[illegible]Hacker News[illegible]

One of the most important things we’ve been working on standardizing are investment terms. Till now investment terms have been individually negotiated. This is a problem for founders, because it makes raising money take longer and cost more in legal fees. So as well as using the same paperwork for every deal we do, we’ve commissioned generic angel paperwork that all the startups we fund can use for future rounds.

[illegible]

Some investors will still want to cook up their own deal terms. Series A rounds, where you raise a million dollars or more, will be custom deals for the forseeable future. But I think angel rounds will start to be done mostly with standardized agreements. An angel who wants to insert a bunch of complicated terms into the agreement is probably not one you want anyway.

[illegible]100[illegible]

3. New Attitude to Acquisition

3. [illegible]

Another thing I see starting to get standardized is acquisitions. As the volume of startups increases, big companies will start to develop standardized procedures that make acquisitions little more work than hiring someone.

[illegible]

Google is the leader here, as in so many areas of technology. They buy a lot of startups— more than most people realize, because they only announce a fraction of them. And being Google, they're figuring out how to do it efficiently.

Google[illegible]——[illegible]google[illegible]Google[illegible]

One problem they've solved is how to think about acquisitions. For most companies, acquisitions still carry some stigma of inadequacy. Companies do them because they have to, but there's usually some feeling they shouldn't have to—that their own programmers should be able to build everything they need.

[illegible]

Google’s example should cure the rest of the world of this idea. Google has by far the best programmers of any public technology company. If they don’t have a problem doing acquisitions, the others should have even less problem. However many Google does, Microsoft should do ten times as many.

Google[illegible]Google[illegible]Google[illegible]Google[illegible]

One reason Google doesn’t have a problem with acquisitions is that they know first-hand the quality of the people they can get that way. Larry and Sergey only started Google after making the rounds of the search engines trying to sell their idea and finding no takers. They’ve been the guys coming in to visit the big company, so they know who might be sitting across that conference table from them.

Google[illegible]**Google[illegible]Larry[illegible]Sergey[illegible]Google[illegible]**[illegible]

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1. □□□□□□□□□□□□□□□□

□Focus on the user and all else will follow.□

2. □□□□□□□□□□□□□□□□□□□□□

□It’s best to do one thing really, really well.□

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3. □□□□□

□Fast is better than slow.□

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4. □□□□□□□□

□Democracy on the web works.□

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5. □□□□□□□□□□□□□□

□You don’t need to be at your desk to need an answer.□

6. □□□□□□□□□□

□You can make money without doing evil.□

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7. □□□□□□□□□□

□There’s always more information out there.□

8. □□□□□□□□□□

□The need for information crosses all borders.□

9. □□□□□□□□□□□□

□You can be serious without a suit.□

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10. □□□□□□□□

□Great just isn’t good enough.□

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Joel Spolsky[illegible]

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[illegible]Joel[illegible]

[illegible]Viacom[illegible]

[illegible]Joel[illegible]Joel[illegible]Joel[illegible]200[illegible]Joel[illegible]”[illegible]”[illegible]Joel[illegible]It convinced me that he had no flipping idea whatsoever what it was that was happening and what the internet meant or what I did as a programmer, and he was a little bit scared of it all, but who cares, because he’s making 2 million dollars a year and I’m just a typist or “HTML operator” or whatever it is that I did, how hard can it be, his teenage daughter can do that.[illegible]

[illegible]Joel[illegible]

[illegible]

[illegible]Joel[illegible]Juno Online Services[illegible]90[illegible]hotmail[illegible]gmail[illegible]

[illegible]Joel[illegible]Juno Online Services[illegible]”[illegible]”[illegible]

[illegible]What I was used to from the west coast was an attitude

that management is just an annoying, mundane chore someone has to do so that the smart people can get their work done.[illegible]

Joel[illegible]
[illegible]Managers exist to get furniture out of the way so the real talent can do brilliant work.[illegible]

Juno Online Services[illegible]Joel[illegible]2000[illegible]

[illegible]

[illegible]Joel[illegible]10%[illegible]In those days, I was seeing lots of really dumb people with really dumb business plans making internet companies, and I thought, hey, if I can be, say, 10% less dumb than them, that should be easy, maybe I can make a company too, and in my company, we’d do things right for a change.[illegible] We’d treat programmers with respect, we’d make high quality products, we wouldn’t take any shit from VCs or 24-year-olds playing President, we’d care about our customers and solve their problems when they called, instead of blaming everything on Microsoft, and we’d let our customers decide whether or not to pay us.[illegible]

[illegible]Joel[illegible]Fog Creek[illegible]

[illegible]Joel[illegible]Blog[illegible]Joel[illegible]Joel[illegible]“Joel[illegible]”[illegible]

Joel Fog Creek Joel Joel Fog Creek

Joel Joel

Joel
Being able to write clearly on technical topics is the difference between being a grunt individual contributor programmer and being a leader.

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[illegible]”[illegible]”[illegible]Dynamic Logic[illegible]”f := not f,” f[illegible]f[illegible]f[illegible]

[illegible]Joel[illegible]Joel[illegible]I decided that this Dynamic Logic stuff was really not a fruitful way of proving things about actual, interesting computer programs, because you’re more likely to make a mistake in the proof than you are to make a mistake in your own intuition.[illegible]

Joel[illegible]

[illegible]**Joel**[illegible]**real problem**[illegible]**trivial problem**[illegible]**”**[illegible]**”**[illegible]

[illegible]Joel[illegible]CS 323[illegible]40[illegible]

Joel[illegible]40[illegible]

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[illegible]Joel[illegible]Viacom[illegible]IT[illegible]in-house programmer[illegible]

[illegible]Joel[illegible]”in-house programmer”[illegible]

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[illegible]Google[illegible]Facebook[illegible]

[illegible]IT[illegible]CEO[illegible]

[illegible]Joel[illegible]in-house programmer[illegible]80%[illegible]it’s frightening because

this is what probably 80% of programming jobs are like, and if you’re not very, very careful when you graduate, you might find yourself working on in-house software, by accident, and let me tell you, it can drain the life out of you.□

Joel□□□

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The Worst Jobs For The 21st Century

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1. □□□□□□□□make meaning□

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2. □□□□□□make mantra□

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3. □□□□□□jump to the next curve□

4. □□□□□（Roll the DICEE）

□□DICEE□□□□□deep□□□□□intelligence□□□□□complete□□□□□elegant□□□□□emotive□□

5. □□□□（let a hundred flowers blossom）

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6. □□□□□□（don’t worry, be crappy）

**7. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□polarize people□**

8. □□□□□□（Churn baby churn）

9. □□□□□□□（niche yourself）

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10. 10/20/30□□□（follow the 10/20/30 rule）

PPT□□□□□□□□□□□□□□□□□□presentation□□□□□□□□10□□□□□□□□20□□□□□□□□□30□□

11. □□□□□□□□□ don’t let the bozos grind you down）

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[illegible]·[illegible]Steve Jobs Quotes[illegible]

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Stack的三种含义

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学习编程的时候，经常会看到stack这个词，它的中文名字叫做”栈”。

理解这个概念，对于理解程序的运行至关重要。容易混淆的是，这个词其实有三种含义，适用于不同的场合，必须加以区分。

含义一：数据结构

stack的第一种含义是一组数据的[存放方式]，特点为LIFO，即后进先出（Last in, first out）。

在这种数据结构中，数据像积木那样一层层堆起来，后面加入的数据就放在最上层。使用的时候，最上层的数据第一个被用掉，这就叫做”后进先出”。

与这种结构配套的，是一些特定的方法，主要为下面这些。

- push：在最顶层加入数据。
- pop：返回并移除最顶层的数据。
- top：返回最顶层数据的值，但不移除它。
- isempty：返回一个布尔值，表示当前stack是否为空栈。

含义二：代码运行方式

stack的第二种含义是[“调用栈”]（call stack），表示函数或子例程像堆积木一样存放，以实现层层调用。

下面以一段Java代码为例（[来源]）。

```
class Student{
    int age;
    String name;

    public Student(int Age, String Name)
    {
        this.age = Age;
```

```
        setName(Name);
    }
    public void setName(String Name)
    {
        this.name = Name;
    }
}

public class Main{
    public static void main(String[] args) {
            Student s;
            s = new Student(23,"Jonh");
    }
}
```

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public void Method1()
{
    int i=4;

    int y=2;
```

```
    class1 cls1 = new class1();
}
```

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□□□□□cls1□□□□□□□□□□heap□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□□□□□□heap□□□□□□□□□□□□□□□□□□□□□□□□□□garbage
collector□□□□□□□□□□□□□□□□□□□□□□□□□heap□□□□□□□□□□□□□
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Note

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[illegible]

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[illegible]memory hierarchy[illegible]register[illegible]

|[illegible]|

[illegible]

|[illegible]|

Mike Ash[illegible]

[illegible]

[illegible]CPU[illegible]

[illegible]3GHz[illegible]CPU[illegible]30[illegible]0.33[illegible]1[illegible]30[illegible]CPU[illegible]10[illegible]CPU[illegible]5[illegible]CPU[illegible]

[illegible]CPU[illegible]iPhone 5s[illegible]1.3GHz[illegible]CPU[illegible]

[illegible]

[illegible]iPhone 5s[illegible]CPU[illegible]A7[illegible]6000[illegible]31[illegible]64[illegible]32[illegible]128[illegible]iPhone 5s[illegible]1GB[illegible]80[illegible]bit[illegible]6000[illegible]80[illegible]

|A7|

[illegible]

[illegible]

[illegible]1[illegible]2[illegible]

[illegible]

[illegible]1[illegible]

[illegible]2[illegible]MMU[illegible]MMU[illegible]

[illegible]3[illegible]memory controller[illegible]bank[illegible]

[illegible]4[illegible]chunk[illegible]

[illegible]5[illegible]CPU[illegible]

[illegible]

[illegible]CPU[illegible]CPU[illegible]

[illegible]

Note

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http://www.ruanyifeng.com/blog/2013/10/register.html [illegible]:
[illegible]

[illegible]: [illegible] http://www.me115.com

Linux [illegible]

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[illegible][illegible][illegible]BIOS[illegible]

[illegible]

[illegible]BIOS[illegible]

[illegible]Linux[illegible]Debian[illegible]

[illegible]

[illegible] /boot [illegible]

[illegible]/boot [illegible]

```
$ ls /boot

config-3.2.0-3-amd64
config-3.2.0-4-amd64
grub
initrd.img-3.2.0-3-amd64
initrd.img-3.2.0-4-amd64
System.map-3.2.0-3-amd64
System.map-3.2.0-4-amd64
vmlinuz-3.2.0-3-amd64
vmlinuz-3.2.0-4-amd64
```

[illegible]

[illegible] /sbin/init[illegible]

□□init□□□□□□□□□□□□□□□□□pid□□□1□□□□□□□□□□□□□□□□□□□□□

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□□□□□□□□□□□□□□Windows□□”□□”□service□□□Linux□□□”□□□□“□daemon□□

init□□Apache□□□□□□□□□□Linux□□□□□□□□□□□□□□□□□□□□□□□□□”□□□□“□runlevel□□□□□□□□□□□□”□□□□”□□□□□□□□□□□

Linux□□□□□□□□□0-6□□□□□□□0□□□□□1□□□□□□□□□□□□□□□6□□□□□□□□2-5□□□□□□□□□□□□□Debian□□□□□□□□□□□□□□□□□□□□□□□

init□□□□□□□□ /etc/inittab□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
id:2:initdefault:
```

initdefault□□□2□□□□□□□□□□□□□□2□□□□□□□□□□□□□□□□□□□□□□

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```
/etc/rc0.d
/etc/rc1.d
/etc/rc2.d
/etc/rc3.d
/etc/rc4.d
/etc/rc5.d
/etc/rc6.d
```

□□□□□□□”rc”□□□run command□□□□□□□□□□d□□directory□□□□□□□□□□□□ /etc/rc2.d □□□□□□□□□□□□□

```
$ ls  /etc/rc2.d

README
S01motd
S13rpcbind
```

```
S14nfs-common
S16binfmt-support
S16rsyslog
S16sudo
S17apache2
S18acpid
...
```

[illegible]README[illegible]”[illegible]S+[illegible]+[illegible]”[illegible]S [illegible]Start[illegible]start[illegible]K[illegible]Kill[illegible]stop[illegible]motd[illegible]rpcbing[illegible]nfs……[illegible]rsyslog[illegible]sudo[illegible]

[illegible]README[illegible] /etc/rcN.d [illegible]

[illegible]

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

Linux[illegible] /etc/rcN.d [illegible] /etc/init.d [illegible]init[illegible]

[illegible]

```
$ ls -l /etc/rc2.d

README
S01motd -> ../init.d/motd
S13rpcbind -> ../init.d/rpcbind
S14nfs-common -> ../init.d/nfs-common
S16binfmt-support -> ../init.d/binfmt-support
S16rsyslog -> ../init.d/rsyslog
S16sudo -> ../init.d/sudo
S17apache2 -> ../init.d/apache2
S18acpid -> ../init.d/acpid
...
```

[illegible] /etc/init.d [illegible]Apache[illegible]

```
$ sudo /etc/init.d/apache2 restart
```

/etc/init.d [illegible]d[illegible]directory[illegible]
/etc/init [illegible]

[illegible]

[illegible]

[illegible]

[illegible]1[illegible]

[illegible]2[illegible]ssh[illegible]

[illegible]3[illegible]

[illegible]

[illegible]1[illegible]init[illegible]getty[illegible]get teletype[illegible]login[illegible]Debian[illegible]/etc/pam.d/login[illegible] /etc/passwd [illegible]
shell[illegible]shell[illegible]

[illegible]2[illegible]ssh[illegible]sshd[illegible]Debian[illegible]/etc/pam.d/ssh [illegible]
getty[illegible]login[illegible]shell[illegible]

[illegible]3[illegible]init[illegible]Gnome[illegible]gdm
[illegible]GNOME Display Manager[illegible]/etc/gdm3/Xsession[illegible]

[illegible] login shell

[illegible]shell[illegible]shell[illegible]
login shell[illegible]

Debian□□□shell□Bash□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□1□□□□□□□□□□□ /etc/profile□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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```
~/.bash_profile
~/.bash_login
~/.profile
```

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□□□□□□□□□□□□□□□□□

□2□ssh□□□□□□□□□□□□□□

□3□□□□□□□□□□□ /etc/profile □ ~/.profile□□□□□□
~/.bash_profile □□□□□□□□□□□□

□□□□□□ non-login shell

□□□□□□□□□□□□Linux□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□□□□□□□□□□□□shell□□□□/etc/profile□.profile□□□□□

non-login shell□□□□□□□□□□□□□□□□□□□□shell□□□□□□□□□□□□□
bash□□□□ ~/.bashrc□□□□□□□□□□□bash□□□□□□□□□□□□□□□□

□□□□□□□□□□□ non-login shell□□□□.bashrc□□□□□□□□□bash □□□
□□□□□□□□□□□Debian□□□□□□□□□□□□□□□□ ~/.profile□□□□□□□□□
□□

```
if [ -n "$BASH_VERSION" ]; then
    if [ -f "$HOME/.bashrc" ]; then
        . "$HOME/.bashrc"
    fi
fi
```

□□□□□□□□□ $BASH_VERSION □□□□□□□□□□□□□□□□□ .bashrc □□□□□□□□□□□□□□□□□□□□□□□□□source□□□□□□□□□□□□□□□□□□□”source ~/.bashrc”□□□□□□

□□□□□□□/.profile□□□□/.bashrc□□□□□□□□□□□□□□□□□□□□□□□□□□□□□/.bash_profile□□□□□□□□□□□□□/.profile□□□□□□□□□□□□□□□□□□□□.bash_profile□□□□

```
if [ -f ~/.profile ]; then
   . ~/.profile
fi
```

□□□□□□□□□□□□□.bashrc□□□□□□□□□□□□□□□□□□□□□□□□

Bash□□Bash□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□/etc/profile□□□□□□□□□□□□□□□□□□□□□□.profile□□□□□□□□□□□□.bashrc□

□□□□□□□□Linux□□□ Mac OS X □□□shell□□Bash□□□□□□□□.bash_profile□□□□.bash_profile□□□□.bashrc□□□□□□ssh□□□□□□□□□□□□□shell□□□□□□□□

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[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2013/08/linux_boot_process.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Rsa□□□□□□

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□□□□□□□□□□□□□□RSA□□□□□□□□□□□□□□□□□□□

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□□□□□□□□□□□□RSA□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□**p**□**q**□

□□□□□□61□53□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□**p**□**q**□□□**n**□

□□□□□61□53□□□

$n = 61\times53 = 3233$

n□□□□□□□□□□3233□□□□□□110010100001□□□□12□□□□□□□□□□
12□□□□□□□□RSA□□□□□1024□□□□□□□□2048□□

□□□□□□**n**□□□□□**φ(n)**□

□□□□□

$\varphi(n) = (p-1)(q-1)$

□□□□□φ(3233)□□60×52□□3120□

□□□□□□□□□□□□**e**□□□□**1**

□□□□□1□3120□□□□□□□□17□□□□□□□□□□□□65537□□

第五步，计算e对于φ(n)的模反元素d。

所谓"模反元素"就是指有一个整数d，可以使得ed被φ(n)除的余数为1。

$ed \equiv 1 \pmod{\varphi(n)}$

这个式子等价于

$ed - 1 = k\varphi(n)$

于是，找到模反元素d，实质上就是对下面这个二元一次方程求解。

$ex + \varphi(n)y = 1$

已知 e=17, φ(n)=3120，

$17x + 3120y = 1$

这个方程可以用"扩展欧几里得算法"求解，此处省略具体过程。总之，爱丽丝算出一组整数解为 (x,y)=(2753,-15)，即 d=2753。

至此所有计算完成。

第六步，将n和e封装成公钥，n和d封装成私钥。

在爱丽丝的例子中，n=3233，e=17，d=2753，所以公钥就是 (3233,17)，私钥就是（3233, 2753）。

实际应用中，公钥和私钥的数据都采用ASN.1格式表达（实例）。

七、RSA算法的可靠性

回顾上面的密钥生成步骤，一共出现六个数字：

p q n φ(n)
e
d

这六个数字之中，公钥用到了两个（n和e），其余四个数字都是不公开的。其中最关键的是d，因为n和d组成了私钥，一旦d泄漏，就等于私钥泄漏。

那么，有无可能在已知**n**和**e**的情况下，推导出**d**？

（1）ed≡1 (mod φ(n))。只有知道e和φ(n)，才能算出d。

（2）φ(n)=(p-1)(q-1)。只有知道p和q，才能算出φ(n)。

（3）n=pq。只有将n因数分解，才能算出p和q。

结论：如果**n**可以被因数分解，**d**就可以算出，也就意味着私钥被破解。

可是，大整数的因数分解，是一件非常困难的事情。目前，除了暴力破解，还没有发现别的有效方法。维基百科这样写道：

”对极大整数做因数分解的难度决定了RSA算法的可靠性。换言之，对一极大整数做因数分解愈困难，RSA算法愈可靠。

假如有人找到一种快速因数分解的算法，那么RSA的可靠性就会极度下降。但找到这样的算法的可能性是非常小的。今天只有短的RSA密钥才可能被暴力破解。到2008年为止，世界上还没有任何可靠的攻击RSA算法的方式。

只要密钥长度足够长，用RSA加密的信息实际上是不能被解破的。”

举例来说，你可以对3233进行因数分解（61×53），但是你没法对下面这个整数进行因数分解。

12301866845301177551304949
58384962720772853569595334

79219732245215172640050726
36575187452021997864693899
56474942774063845925192557
32630345373154826850791702
61221429134616704292143116 |
02221240479274737794080665 |
351419597459856902143413

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334780716989568987860441698482126908177047949837137685689124313889828837938780022876147116525317430877378144679994897996279526322791581643430876426760322838157396665112|79233373417143396810270092|798736308917

□□□□□□□□□□□□□□□□□□□□232□□□□□□768□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□RSA□□□□768□□

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□□□□□□□□□□□□□□□□□□□

□1□□□□□□□ (n,e)

□□□□□□□□□□□□□□□m□□□□□□□□□□□ (n,e) □m□□□□□□□□□□□□□□m□

□□□□□□□□□□ascii□□unicode□□□□m□□□□n□

□□”□□”□□□□□□□□c□

m:sup:*e* ≡ c (mod n)

□□□□□□□ (3233, 17)□□□□m□□□65□□□□□□□□□□□□□

65:sup:*17* ≡ 2790 (mod 3233)

□□□c□□2790□□□□□2790□□□□□□□

□2□□□□□□□(n,d)

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c:sup:*d* ≡ m (mod n)

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c:sup:*d* ≡ m (mod n)

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□:sup:*e* ≡ c (mod n)

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c = m^e - kn

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(m:sup:*e* - kn)^d ≡ m (mod n)

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m:sup:*ed* ≡ m (mod n)

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ed ≡ 1 (mod φ(n))

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ed = hφ(n)+1

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m:sup:*hφ(n)+1* ≡ m (mod n)

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m:sup:*φ(n)* ≡ 1 (mod n)

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(m:sup:*φ(n)*)^{h} × m ≡ m (mod n)

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□2□m□n□□□□□□□

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□ m = kp□□□□□□□□k□q□□□□□□□□□□□□□□□□□□□□□□

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(kp):sup:*ed* = t’pq + kp

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m:sup:*ed* ≡ m (mod n)

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Note

□□□□: http://www.ruanyifeng.com/blog/2013/07/rsa_algorithm_part_two.html □□: □□□

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Rsa[illegible]

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如果两个正整数n，都只是与另一个n互质并不是所有关系，如n也可以是合数如质数。比如1和8，他们的最大公约数8，所以它们互质。

请问，任意给定正整数，请问[欧拉函数]()也即φ(n)小于等于1到8之间，与8形成互质关系的是1、3、5、7，所以φ(n) = 4。

φ(n) 的计算方法并不复杂，但是为了得到最后那个公式，需要一步步讨论。

第一种情况

如果n=1，则 φ(1) = 1 。因为1与任何数（包括自身）都构成互质关系。

第二种情况

如果n是质数，则 φ(n)=n-1 。因为质数与小于它的每一个数，都构成互质关系。比如5与1、2、3、4都构成互质关系。

第三种情况

如果n是质数的某一个次方，即 n = p^k (p为质数，k为大于等于1的整数)，则

|image0|

比如 φ(8) = φ(2^3) =2^3 - 2^2 = 8 -4 = 4。

这是因为只有当一个数不包含质数p，才可能与n互质。而包含质数p的数一共有p^(k-1)个，即1×p、2×p、3×p、...、p^(k-1)×p，把它们去除，剩下的就是与n互质的数。

上面的式子还可以写成下面的形式：

|image1|

可以看出，上面的第二种情况是 k=1 时的特例。

第四种情况

如果n可以分解成两个互质的整数之积，

$n = p1 \times p2$

□

$\varphi(n) = \varphi(p1p2) = \varphi(p1)\varphi(p2)$

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$\varphi(56)=\varphi(8\times7)=\varphi(8)\times\varphi(7)=4\times6=24$□

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|image7|

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Note

□□□□: http://www.ruanyifeng.com/blog/2013/06/rsa_algorithm_part_one.html □□: □□□

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字符串匹配的Boyer-Moore算法

ruanyifeng.com

上一篇文章，我介绍了KMP算法。

但是，它并不是效率最高的算法，实际采用并不多。各种文本编辑器的"查找"功能（Ctrl+F），大多采用Boyer-Moore算法。

Boyer-Moore算法不仅效率高，而且构思巧妙，容易理解。1977年，德克萨斯大学的Robert S. Boyer教授和J Strother Moore教授发明了这种算法。

下面，我根据Moore教授自己的例子来解释这种算法。

1.

假定字符串为"HERE IS A SIMPLE EXAMPLE"，搜索词为"EXAMPLE"。

2.

首先，"字符串"与"搜索词"头部对齐，从尾部开始比较。

这是一个很聪明的想法，因为如果尾部字符不匹配，那么只要一次比较，就可以知道前7个字符（整体上）肯定不是要找的结果。

我们看到，"S"与"E"不匹配。这时，**"S"就被称为"坏字符"（bad character）**，即不匹配的字符。我们还发现，"S"不包含在搜索词"EXAMPLE"之中，这意味着可以把搜索词直接移到"S"的后一位。

3.

依然从尾部开始比较，发现"P"与"E"不匹配，所以"P"是"坏字符"。但是，"P"包含在搜索词"EXAMPLE"之中。所以，将搜索词后移两位，两个"P"对齐。

4.

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6.

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9.

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10.

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12.

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[illegible]

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[illegible]

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[illegible]process[illegible]thread[illegible]

[illegible]

1.

[illegible]CPU[illegible]

2.

[illegible]CPU[illegible]

3.

[illegible]CPU[illegible]CPU[illegible]

4.

[illegible]

5.

[illegible]

6.

[illegible]

7.

[illegible]

8.

[illegible][“[illegible]”]([illegible])[illegible]Mutual exclusion[illegible] Mutex[illegible]

9.

[illegible]n[illegible]n[illegible]

10.

[illegible]n[illegible][“[illegible]”]([illegible])[illegible]Semaphore[illegible]

[illegible]mutex[illegible]semaphore[illegible]n=1[illegible]mutex[illegible]

11.

[illegible]

[illegible]1[illegible]

[illegible]2[illegible]

[illegible]3[illegible]

[illegible]

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http://www.ruanyifeng.com/blog/2013/04/processes_and_threads.html [illegible]: [illegible]

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[illegible]

[illegible]…… [illegible]

[illegible]boot[illegible]

[illegible]”[illegible]”[illegible]

[illegible]boot[illegible]boot[illegible]”[illegible]”[illegible] [illegible]boot[illegible]bootstrap[illegible]

> ”pull oneself up by one’s bootstraps”

[illegible]”[illegible]”[illegible]

[illegible]”[illegible]”[illegible]boot[illegible]

[illegible]

[illegible]BIOS

[illegible]70[illegible]”[illegible]”[illegible]read-only memory[illegible]ROM[illegible]ROM[illegible]

[illegible]”[illegible]”[illegible]Basic Input/Output System[illegible][BIOS](BIOS)[illegible]

1.1 [illegible]

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1.2 □□□□

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□□□□□512□□□□□□□“□□□□□”□Master boot record□□□□MBR□□

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“□□□□□”□□512□□

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□1□ □1-446□□□□□□□□□□□□□□

□2□ □447-510□□□□□□□Partition table□□

□3□ □511-512□□□□□□□□□□□0x55□0xAA□□

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2.2 [illegible]

[illegible]”[illegible]”[illegible]

[illegible]64[illegible]16[illegible]”[illegible]”[illegible]

[illegible]16[illegible]6[illegible]

[illegible]1[illegible]1[illegible]0x80[illegible]

[illegible]2[illegible]2-4[illegible]

[illegible]3[illegible]5[illegible]

[illegible]4[illegible]6-8[illegible]

[illegible]5[illegible]9-12[illegible]

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[illegible]”[illegible]”[illegible]2[illegible]32[illegible]

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3.1 [illegible]A[illegible]

□□“□□□□□“□Volume boot record□□□□VBR□□

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[illegible]“[illegible]”[illegible]Abstraction[illegible]

[illegible]”[illegible]”[illegible]

[illegible]”[illegible]”[illegible]

[illegible]Derick Bailey[illegible]”[illegible]”[illegible]

[illegible]DRY[illegible]

DRY[illegible] Don’t repeat yourself [illegible]”[illegible]”[illegible]

[illegible]The Pragmatic Programmer[illegible]

[illegible]“[illegible]”[illegible]Once and Only Once[illegible]

[illegible]YAGNI[illegible]

YAGNI[illegible] You aren’t gonna need it [illegible]”[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]do the simplest thing that could possibly work[illegible]

[illegible]DRY[illegible]YAGNI[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]Rule Of Three[illegible]

Rule of three [illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]Martin Fowler[illegible]Refactoring[illegible]

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[illegible]1[illegible]”[illegible]”[illegible]

[illegible]2[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

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[illegible]3[illegible]

[illegible]”[illegible]”[illegible]DRY[illegible]YAGNI[illegible]”[illegible]”[illegible]

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8.1 □□IP□□

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[illegible]MAC[illegible]IP[illegible]
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DHCP[illegible]

8.3 DHCP[illegible]

[illegible]UDP[illegible]

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MAC[illegible]MAC[illegible]FF-FF-FF-FF-FF-FF[illegible]

（2[illegible]"IP[illegible]"[illegible]IP[illegible]IP[illegible]
[illegible]IP[illegible]0.0.0.0[illegible]IP[illegible]255.255.255.255[illegible]

（3[illegible]"UDP[illegible]"[illegible]DHCP[illegible]
[illegible]68[illegible]67[illegible]

[illegible]
[illegible]MAC[illegible]FF-FF-FF-FF-FF-FF[illegible]
[illegible]IP[illegible]IP[illegible]0.0.0.0[illegible]
255.255.255.255[illegible]DHCP[illegible]"[illegible]"[illegible]
[illegible]

[illegible]DHCP[illegible]IP[illegible]"DHCP[illegible]"[illegible]
[illegible]MAC[illegible]IP[illegible]IP[illegible]DHCP[illegible]
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[illegible]IP[illegible]Data[illegible]

[illegible]IP[illegible]DNS[illegible]

8.4 [illegible]

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9.2 DNS□□

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DNS□□□□□□□□□□□□□□□□IP□□□□□DNS□□□□8.8.8.8□□□□□□□□□□
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HTTP□□□□□□□□□□□□□□

GET / HTTP/1.1 Host: www.google.com
Connection:

keep-alive User-Agent: Mozilla/5.0 (Windows NT 6.1)
…… Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,
/;q=0.8 Accept-Encoding: gzip,deflate,sdch
Accept-Language: zh-CN,zh;q=0.8 | Accept-Charset:
GBK,utf-8;q=0.7,*;q=0.3 | Cookie: … …

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9.5 TCP□□

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9.6 IP□□

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但是，问题在于单单从IP地址，我们无法判断网络部分。还是以172.16.254.1为例，它的网络部分，到底是前24位，还是前16位，甚至前28位，从IP地址上是看不出来的。

那么，怎样才能从IP地址，判断两台计算机是否属于同一个子网络呢？这就要用到另一个参数”子网掩码”（subnet mask）。

所谓”子网掩码”，就是表示子网络特征的一个参数。它在形式上等同于IP地址，也是一个32位二进制数字，它的网络部分全部为1，主机部分全部为0。比如，IP地址172.16.254.1，如果已知网络部分是前24位，主机部分是后8位，那么子网络掩码就是11111111.11111111.11111111.00000000，写成十进制就是255.255.255.0。

知道”子网掩码”，我们就能判断，任意两个IP地址是否处在同一个子网络。方法是将两个IP地址与子网掩码分别进行AND运算（两个数位都为1，运算结果为1，否则为0），然后比较结果是否相同，如果是的话，就表明它们在同一个子网络中，否则就不是。

比如，已知IP地址172.16.254.1和172.16.254.233的子网掩码都是255.255.255.0，请问它们是否在同一个子网络？两者与子网掩码分别进行AND运算，结果都是172.16.254.0，因此它们在同一个子网络。

总结一下，IP协议的作用主要有两个，一个是为每一台计算机分配IP地址，另一个是确定哪些地址在同一个子网络。

4.3 IP数据包

根据IP协议发送的数据，就叫做IP数据包。不难想象，其中必定包括IP地址信息。

但是前面说过，以太网数据包只包含MAC地址，并没有IP地址的栏位。那么是否需要修改数据定义，再添加一个栏位呢？

回答是不需要，我们可以把IP数据包直接放进以太网数据包的”数据”部分，因此完全不用修改以太网的规格。这就是互联网分层结构的好处：上层的变动完全不涉及下层的结构。

具体来说，IP数据包也分为”标头”和”数据”两个部分。

“标头”部分主要包括版本、长度、IP地址等信息，”数据”部分则是IP数据包的具体内容。它放进以太网数据包后，以太网数据包就变成了下面这样。

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5.3 TCP[illegible]

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(1 + 2) * 3 - 4

```
var a = 1 + 2;

var b = a * 3;

var c = b - 4;
```

```
var result = subtract(multiply(add(1,2), 3), 4);
```

1. ”

“”（first class）

print

```
var print = function(i){ console.log(i);};
[1,2,3].forEach(print);
```

2. ”””

“”（expression）””（statement）

computation
I/O””

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3. [illegible]”[illegible]”

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4. [illegible]

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```
function reverse(string) {

    if(string.length == 0) {

        return string;

    } else {

        return reverse(string.substring(1, string.length)) + string.substring(0, 1);

    }

}
```

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5. [illegible]

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1. [illegible]

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2. [illegible]

[illegible]

[illegible](1 + 2) * 3 - 4[illegible]

```
subtract(multiply(add(1,2), 3), 4)
```

[illegible]

```
add(1,2).multiply(3).subtract(4)
```

[illegible]

```
merge([1,2],[3,4]).sort().search(“2”)
```

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var s1 = Op1();

var s2 = Op2();

var s3 = concat(s1, s2);

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□□□□□□□Rob Landley□□□□□□□□□□□□□□Unix□□□□□□□□□□□

□□1969□□Ken Thompson□Dennis Ritchie□□□□PDP-7□□□□
Unix□1971□□□□□□□□□□□PDP-11□

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/usr/local□□□□□□□□□□□□□

/opt[illegible]option[illegible]”[illegible]”[illegible]

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2012/02/a_history_of_unix_directory_structure.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Ssh[illegible]

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[illegible][illegible][illegible]SSH[illegible]

SSH[illegible]

[illegible]

[illegible]Image credit: Tony Narlock[illegible]

[illegible]

SSH[illegible]

[illegible]

```
$ ssh user@host 'mkdir -p .ssh && cat »
.ssh/authorized_keys' < ~/.ssh/id_rsa.pub
```

[illegible]SSH[illegible]

[illegible]SSH[illegible]SSH[illegible]

[illegible]

[illegible]1[illegible]

[illegible]$HOME/src/[illegible]$HOME/src/[illegible]

```
$ cd && tar czv src | ssh user@host 'tar xz'
```

[illegible]2[illegible]

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$ ssh user@host 'tar cz src' | tar xzv

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□□□□□□□□□□□□httpd□

$ ssh user@host 'ps ax | grep [h]ttpd'

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□□SSH□□□□□□□□□□□□□□□□□□□□□□□□□□□□□SSH□□□□□□□□□□□

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$ ssh -D 8080 user@host

SSH□□□□□socket□□□□□□□8080□□□□□□□□□□□□□□□□□□□□□□□SSH□□□□□□□□□□□□□□□□□□□8080□□□□□□□□□□□□□□□□□□□□□□□□□

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$ ssh -L 2121:host2:21 host3

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□□□□□□□□□□□host1□2121□□□□□□□□□host2□21□□□

```
$ ftp localhost:2121
```

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```
$ ssh -R 2121:host2:21 host1
```

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```
$ ftp localhost:2121
```

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```
$ ssh -NT -D 8080 host
```

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shell□□□□□□□□

```
$ ssh -f -D 8080 host
```

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* SSH, The Secure Shell: The Definitive Guide: [2.4. Authentication by Cryptographic Key](), O'reilly

* SSH, The Secure Shell: The Definitive Guide: [9.2. Port Forwarding](), O'reilly

* Shebang: [Tips for Remote Unix Work (SSH, screen, and VNC)]()

* brihatch: [SSH Host Key Protection]()

* brihatch: [SSH User Identities]()

* IBM developerWorks: [□□ SSH □□□□]()

* Jianing YANG□[ssh□□□□□□]()

* WikiBooks: [Internet Technologies/SSH]()

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Note

□□□□:
http://www.ruanyifeng.com/blog/2011/12/ssh_port_forwarding.html □□: □□□

□□: □□□ http://www.me115.com

Ssh□□□□□□□□□□□□□

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SSH□□□□Linux□□□□□□□□

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```
$ ssh user@host
```

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```
$ ssh host
```

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```
$ ssh -p 2222 user@host
```

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SSH□□□□□□□□□□

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[illegible]

$ ssh user@host

The authenticity of host ‘host (12.18.429.21)’ can’t be established.

RSA key fingerprint is 98:2e:d7:e0:de:9f:ac:67:28:c2:42:2d:37:16:58:4d.

Are you sure you want to continue connecting (yes/no)?

[illegible]host[illegible]

[illegible]”[illegible]”[illegible]RSA[illegible]1024[illegible]MD5[illegible]128[illegible]98:2e:d7:e0:de:9f:ac:67:28:c2:42:2d:37:16:58:4d[illegible]

[illegible]

[illegible]

Are you sure you want to continue connecting (yes/no)? yes

[illegible]host[illegible]

Warning: Permanently added ‘host,12.18.429.21’ (RSA) to the list of known hosts.

[illegible]

Password: (enter password)

[illegible]

[illegible]$HOME/.ssh/known_hosts[illegible]
[illegible]

[illegible]SSH[illegible]known_hosts[illegible]
[illegible]/etc/ssh/ssh_known_hosts[illegible]

[illegible]

[illegible]SSH[illegible]

[illegible]”[illegible]”[illegible]
[illegible]
[illegible]shell[illegible]

[illegible]ssh-keygen[illegible]

```
$ ssh-keygen
```

[illegible]
[illegible]passphrase[illegible]

[illegible]$HOME/.ssh/[illegible]id_rsa.pub[illegible]id_rsa[illegible]
[illegible]

[illegible]host[illegible]

```
$ ssh-copy-id user@host
```

[illegible]

[illegible]/etc/ssh/sshd_config[illegible]”#”[illegible]
[illegible]

```
RSAAuthentication yes
PubkeyAuthentication yes
AuthorizedKeysFile .ssh/authorized_keys
```

[illegible]ssh[illegible]

```
// ubuntu□□
service ssh restart
// debian□□
/etc/init.d/ssh restart
```

□□authorized_keys□□

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```
$ ssh user@host ‘mkdir -p .ssh && cat » .ssh/authorized_keys’ < ~/.ssh/id_rsa.pub
```

□□□□□□□□□□□□□□□□□□□□□1□”$ ssh user@host”□□□□□□□□□□□□2□□□□□mkdir .ssh && cat » .ssh/authorized_keys□□□□□□□□□shell□□□□□□□3□”$ mkdir -p .ssh”□□□□□□□□□□□□□□.ssh□□□□□□□□□□□□□4□’cat » .ssh/authorized_keys’ < ~/.ssh/id_rsa.pub□□□□□□□□□□□□□~/.ssh/id_rsa.pub□□□□□□□□□□□authorized_keys□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2011/12/ssh_remote_login.html □□: □□□

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ruanyifeng.com

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* □□□□block□□□

□□□stat□□□□□□□□□□inode□□□

stat example.txt

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□1KB□□2KB□□□□□inode□□□□□□1GB□□□□□□□inode□□□□□128□□
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df -i

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sudo dumpe2fs -h /dev/hda | grep “Inode size”

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□block□□□□□□

□□ls -i□□□□□□□□□□□□□inode□□□

```
ls -i example.txt
```

□□□□□□

Unix/Linux□□□□□□□directory□□□□□□□□□□□□□□□□□□□□□□□□□□

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```
ls /etc
```

ls -i□□□□□□□□□□□□□□□inode□□□

```
ls -i /etc
```

□□□□□□□□□□□□□□□□□□inode□□□□□inode□□□□□□□□ls -l□□□□□□□
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```
ls -l /etc
```

理解了上面这些知识，就能理解目录的权限。目录文件的读权限（r）和写权限（w），都是针对目录文件本身。由于目录文件内只有文件名和inode号码，所以如果只有读权限，只能获取文件名，无法获取其他信息，因为其他信息都储存在inode节点中，而读取inode节点内的信息需要目录文件的执行权限（x）。

七、硬链接

一般情况下，文件名和inode号码是”一一对应”关系，每个inode号码对应一个文件名。但是，Unix/Linux系统允许，多个文件名指向同一个inode号码。

这意味着，可以用不同的文件名访问同样的内容；对文件内容进行修改，会影响到所有文件名；但是，删除一个文件名，不影响另一个文件名的访问。这种情况就被称为”硬链接”（hard link）。

ln命令可以创建硬链接：

ln 源文件 目标文件

运行上面这条命令以后，源文件与目标文件的inode号码相同，都指向同一个inode。inode信息中有一项叫做”链接数”，记录指向该inode的文件名总数，这时就会增加1。

反过来，删除一个文件名，就会使得inode节点中的”链接数”减1。当这个值减到0，表明没有文件名指向这个inode，系统就会回收这个inode号码，以及其所对应block区域。

这里顺便说一下目录文件的”链接数”。创建目录时，默认会生成两个目录项：”.”和”..”。前者的inode号码就是当前目录的inode号码，等同于当前目录的”硬链接”；后者的inode号码就是当前目录的父目录的inode号码，等同于父目录的”硬链接”。所以，任何一个目录的”硬链接”总数，总是等于2加上它的子目录总数（含隐藏目录）。

八、软链接

除了硬链接以外，还有一种特殊情况。

文件A和文件B的inode号码虽然不一样，但是文件A的内容是文件B的路径。读取文件A时，系统会自动将访问者导向文件B。因此，无论打开哪一个文件，最终读取的都是文件B。这时，文件A就称为文件B的”软链接”（soft link）或者”符号链接（symbolic link）。

这意味着，文件A依赖于文件B而存在，如果删除了文件B，打开文件A就会报错：”No such file or directory”。这是软链接与硬链接最大的不同：文件A指向文件B的文件名，而不是文件B的inode号码，文件B的inode”链接数”不会因此发生变化。

ln -s[illegible]

ln -s [illegible] [illegible]

[illegible]inode[illegible]

[illegible]inode[illegible]Unix/Linux[illegible]

1. [illegible]inode[illegible]

2. [illegible]inode[illegible]

3. [illegible]inode[illegible]inode[illegible]

[illegible]3[illegible]inode[illegible]inode[illegible]inode[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2011/12/inode.html
[illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Eof[illegible]

[ruanyifeng.com]

[illegible]C[illegible]EOF[illegible]

[illegible]end of file[illegible]”[illegible]”[illegible]stream[illegible]”[illegible]”[illegible]file[illegible]stdin[illegible]

[illegible]

```
int c;
while ((c = fgetc(fp)) != EOF) {

    putchar (c);

}
```

[illegible]EOF[illegible]

[illegible]EOF[illegible]stdio.h[illegible]-1[illegible]

```
#define EOF (-1)
```

[illegible]

[illegible]EOF[illegible]EOF[illegible]-1[illegible]ASCII[illegible]-1[illegible]

[illegible]**Linux**[illegible]**EOF**[illegible]**-1**[illegible]

[illegible]

```
int c;

while ((c = fgetc(fp)) != EOF) {

      do something

}
```

[illegible]fgetc()[illegible]EOF[illegible]EOF[illegible]C[illegible]feof()[illegible]feof()[illegible]

```
int c;

while (!feof(fp)) {

      c = fgetc(fp);

      do something;

}
```

[illegible]fgetc()[illegible]C[illegible]feof()[illegible]0[illegible]fgetc()[illegible]feof()[illegible]

[illegible]n[illegible]while[illegible]n+1[illegible]

```
      int c = fgetc(fp);

      while (c != EOF) {

            do something;
            c = fgetc(fp);

      }
```

```
        if (feof(fp)) {
            printf("\n End of file reached.");
        } else {
            printf("\n Something went wrong.");
        }
```

□□□□□□□□□EOF□□□□□□□□□□□□□

```
    int c;
    while ((c = getchar()) != EOF) {
        putchar(c);
    }
```

□□□EOF□

Linux□□□□□□□□□□□□□Ctrl-D□□□□EOF□□□□□□□□□□□Ctrl-D□□□□□□”□□□□□”□□□□□□□□□□□□□□Ctrl-D□□Windows□□Ctrl-Z□□EOF□□□□□□□□Linux□□□Ctrl-Z□□□□□□□□□□□□□□□□□fg□□□□□□□□□□□□□□□Ctrl-C□□□□□□□□□

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Note

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[illegible]80[illegible]CPL[illegible]

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2011/10/characters_per_line.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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ruanyifeng.com

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[illegible]”[illegible]”[illegible]digital signature[illegible]”[illegible]”[illegible]digital certificate[illegible]

[illegible]

[illegible]

[illegible]

[illegible]David Youd

[illegible]

[illegible]http://www.youdzone.com/signature.html

1.

[illegible]

2.

[illegible]——[illegible]——[illegible]

3.

[illegible]

4.

[illegible]

5.

[illegible]”[illegible]”[illegible]Hash[illegible]digest[illegible]

6.

[illegible]”[illegible]”[illegible]signature[illegible]

7.

[illegible]

8.

[illegible]

9.

[illegible]Hash[illegible]

10.

[illegible]”[illegible]”[illegible]

11.

[illegible]”[illegible]”[illegible]certificate authority[illegible]CA[illegible]”[illegible]”[illegible]Digital Certificate[illegible]

12.

[illegible]

13.

[illegible]CA[illegible]”[illegible]”[illegible]

14.

[illegible]”[illegible]”[illegible]https[illegible]

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[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

18.

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[illegible]

20.

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[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2011/08/what_is_a_digital_signature.html [illegible]: [illegible]

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1.0 ” ”

1.7 100% 70% 2.0 3.0 2 1

CPU CPU CPU process

CPU 100 0.2 CPU 1 20 1.0 CPU 1 100 1.7 CPU 100 70 CPU

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“cat /proc/cpuinfo”□□□□□□□CPU□□□□”grep -c ‘model name’
/proc/cpuinfo”□□□□□□□CPU□□□□□□

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1. Understanding Linux CPU Load

2. Wikipedia - Load (computing)

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Note

□□□□: http://www.ruanyifeng.com/blog/2011/07/linux_load_average_explained.html □□: □□□

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Dos[illegible]

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[illegible]7[illegible]27[illegible]DOS[illegible]30[illegible]

DOS[illegible]PC[illegible]

[illegible]DOS[illegible]

DOS[illegible]

[illegible]

1.

1974[illegible]4[illegible]Intel[illegible]8[illegible]8080[illegible]

2.

1975[illegible]MITS[illegible]8080[illegible]Altair 8800[illegible]PC[illegible]

3.

1975[illegible]1[illegible]Popular Electronics[illegible]Altair 8800[illegible]

4.

22[illegible]Paul Allen[illegible]20[illegible]Bill Gates[illegible]

□□□□□Altair 8800□□□□BASIC□□□□□□MITS□□□1975□7□□□□□□□□
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5.

1975□□□□□□□Digital Research□Altair 8800□□□□□□□CP/M□□□□
□□Intel 8080□□□□□□□□□□□□□□CP/M□□□□□□□

6.

1978□□Intel□□□□□□□□□□16□□□8086□

7.

1979□□□□□□Seattle Computer Products□SCP□□□□□□□□□□□
8086□□□□□□□□

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8.

1980□4□□□□□□□□□CP/M□□□□□□16□□□□□SCP□□□□□□□□□□16□□
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10.

1980□10□□IBM□□□□□□□□Intel 8086□□□PC□

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11.

1981□7□□□□□IBM PC□□□□□□□□□□□□Bill Gates□□□□□PC□□□□□□
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12.

1981□7□27□□□□□□□QDOS□□□□□□□□□□□□□□MS-DOS□□□□DOS□
□□□”□□□□□□”□Disk Operating System□□

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13.

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1983□3□8□□IBM□□□□□□IBM PC/XT□□□□□PC□□□□□□□□□□□□□□□
MS-DOS 2.0□□

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1989□□MS-DOS 4.0□□□□□□□□□□□□□□□□

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17.

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19.

1995□□MS-DOS 7.0□□□FAT32□□□□□□□□Windows 95□□□□□

20.

2000□9□14□□MS-DOS□□□□□□□8.0□□□□□□□Windows XP□□□□□
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* □□□□□Timeline Of x86 DOS operating systems

* Tony Smith, Microsoft’s MS-DOS is 30 today

* Sebastian Anthony, MS-DOS is 30 years old today

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Note

□□□□: http://www.ruanyifeng.com/blog/2011/07/history_of_dos.ht

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Waitingforfriday[illegible]

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[illegible]A[illegible]B[illegible]1[illegible]10[illegible]”[illegible]”[illegible]0[illegible]”[illegible]”[illegible]1[illegible]

[illegible]Logic Gate[illegible]

[illegible]Boolean operation[illegible]
AND[illegible]OR[illegible]NOT[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

AND[illegible](A=1 AND B=1)[illegible]1[illegible]

OR[illegible](A=1 OR B=1)[illegible]1[illegible]

NOT[illegible](A=1)[illegible]0[illegible]

[illegible]A[illegible]B[illegible]1[illegible]AND[illegible]1[illegible]A[illegible]B[illegible]1[illegible]OR[illegible]
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[illegible]4[illegible]4[illegible]32[illegible]31[illegible]2[illegible]31[illegible]-1[illegible]2147483647[illegible]

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[illegible]”[illegible]”[illegible]shared hosting[illegible]”[illegible]”[illegible]

“[illegible]”[illegible]Cloud hosting[illegible]

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[illegible]”[illegible]”[illegible]Paul Graham[illegible]

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Note

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http://www.ruanyifeng.com/blog/2010/10/what_is_cloud_hosting.html [illegible]: [illegible]

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[illegible]Lisp[illegible]

[illegible]Paul Graham

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1. [illegible]"if-then-else"[illegible]Fortran I[illegible]goto[illegible]

2. [illegible]Lisp[illegible]literal representation[illegible]

3. [illegible]Lisp[illegible]

4. [illegible]Lisp[illegible]

5. [illegible]

6. [illegible]expression[illegible]Lisp[illegible]Fortran[illegible]statement[illegible]

[illegible]Fortran I[illegible]

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7. [illegible]symbol[illegible]

8. [illegible]notation[illegible]

9. [illegible]Lisp[illegible]

[illegible]reprogram[illegible]Lisp[illegible]Lisp[illegible]Lisp[illegible]Emacs[illegible]extension language[illegible]S-[illegible]S-expression[illegible]XML[illegible]"[illegible]"[illegible]

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Common Lisp□□□□□□

```
(defun foo (n)
   (lambda (i) (incf n i)))
```

Ruby□□□□□□□□□□

```
def foo (n)
   lambda {|i| n += i } end
```

Perl 5□□□□□□

```
sub foo {          my ($n) = @_;
   sub {$n += shift}
}
```

□□Lisp□Ruby□□□□□□□□□□□□□□□□Perl□□□□□□□□□□□□□□□

Smalltalk□□□□□□Lisp□Ruby□□□□□

```
foo: n          |s|
   s := n.
   ^[:i| s := s+i. ]
```

□□□Smalltalk□□□□□□□lexical variable□□□□□□□□□□□□□□□□□□□□
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Javascript□□□□□Lisp□Ruby□□□□□□□□Javascript□□□□□□□□□□□□□
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```
function foo (n) {
   return function (i) {
      return n += i } }
```

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```
def foo (n):            s = [n]            def bar (i):

              s[0] += i |                return s[0] |
 return bar
```

Python□□□□□□□□□□□□□□□□□□□□□□□□

```
def foo (n):
    return lambda i: return n += i
```

□□□

```
def foo (n):
    lambda i: n += i
```

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```
def foo (n):            class acc:              def _ _init_
 _
```

```
(self, s):                         self.s = s                  def inc
(self, i):                         self.s += i |
return self.s |             return acc (n).inc
```

[illegible]

```
class foo:            def _ _init_ _ (self, n):

            self.n = n            def _ _call_ _ (self, i): |
            self.n += i |                  return self.n
```

[illegible]Python[illegible]list[illegible]head[illegible]
__call__[illegible]

[illegible]Perl[illegible]Python[illegible]Python[illegible]Python[illegible]Perl[illegible]Perl[illegible]

[illegible]Fortran[illegible]C[illegible]C++[illegible]Java[illegible]Visual Basic[illegible]Ken Anderson[illegible]Java[illegible]

```
public interface Inttoint {
      public int call (int i);
}
public static Inttoint foo (final int n) {             return
new

Inttoint () {             int s = n;             public int call (int
i) {             s = s + i;             return s; |             }}; |
}
```

[illegible]

[illegible]

[illegible]Lisp[illegible]

[illegible]”[illegible]”（Greenspun’s Tenth Rule）：

> “[illegible]C[illegible]Fortran[illegible]bug[illegible]Common Lisp[illegible]”

[illegible]a[illegible]b[illegible]c[illegible]Python[illegible]

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Note

[illegible]: http://www.ruanyifeng.com/blog/2010/10/why_lisp_is_superior.html [illegible]: [illegible]

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```
#include

void main(void){

    int num=9; /* num□□□□□□□□9 */

    float* pFloat=#/* pFloat□□num□□□□□□□□□□□□□ */

    printf("num□□□□%d\n",num); /* □□num□□□□ */

    printf("*pFloat□□□□%f\n",*pFloat);/* □□num□□□□ */

    *pFloat=9.0; /* □num□□□□□□□ */

    printf("num□□□□%d\n",num);/* □□num□□□□ */

    printf("*pFloat□□□□%f\n",*pFloat);/* □□num□□□□ */

}
```

□□□□□□□

```
num□□□□9
*pFloat□□□□0.000000
```

num□□□□1091567616
***pFloat□□□□9.000000**

□□□□□num□*pFloat□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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int num=9;

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Note

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Note

□: http://www.ruanyifeng.com/blog/2010/03/unix_copyright_history.html □: □

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但是，这里又出现了新的问题。不同的国家有不同的字母，因此，哪怕它们都使用256个符号的编码方式，代表的字母却不一样。比如，130在法语编码中代表了é，在希伯来语编码中却代表了字母Gimel (ג)，在俄语编码中又会代表另一个符号。但是不管怎样，所有这些编码方式中，0—127表示的符号是一样的，不一样的只是128—255的这一段。

至于亚洲国家的文字，使用的符号就更多了，汉字就多达10万左右。一个字节只能表示256种符号，肯定是不够的，就必须使用多个字节表达一个符号。比如，简体中文常见的编码方式是GB2312，使用两个字节表示一个汉字，所以理论上最多可以表示256x256=65536个符号。

中文编码的问题需要专文讨论，这篇笔记不涉及。这里只指出，虽然都是用多个字节表示一个符号，但是GB类的汉字编码与后文的Unicode和UTF-8是毫无关系的。

3.Unicode

正如上一节所说，世界上存在着多种编码方式，同一个二进制数字可以被解释成不同的符号。因此，要想打开一个文本文件，就必须知道它的编码方式，否则用错误的编码方式解读，就会出现乱码。为什么电子邮件常常出现乱码？就是因为发信人和收信人使用的编码方式不一样。

可以想象，如果有一种编码，将世界上所有的符号都纳入其中。每一个符号都给予一个独一无二的编码，那么乱码问题就会消失。这就是Unicode，就像它的名字都表示的，这是一种所有符号的编码。

Unicode当然是一个很大的集合，现在的规模可以容纳100多万个符号。每个符号的编码都不一样，比如，U+0639表示阿拉伯字母Ain，U+0041表示英语的大写字母A，U+4E25表示汉字”严”。具体的符号对应表，可以查询unicode.org，或者专门的汉字对应表。

4. Unicode的问题

需要注意的是，Unicode只是一个符号集，它只规定了符号的二进制代码，却没有规定这个二进制代码应该如何存储。

比如，汉字”严”的unicode是十六进制数4E25，转换成二进制数足足有15位（100111000100101），也就是说这个符号的表示至少需要2个字节。表示其他更大的符号，可能需要3个字节或者4个字节，甚至更多。

这里就有两个严重的问题，第一个问题是，如何才能区别Unicode和ASCII？计算机怎么知道三个字节表示一个符号，而不是分别表示三个符号呢？第二个问题是，我们已经知道，英文字母只用一个字节表示

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* [The Absolute Minimum Every Software Developer Absolutely, Positively Must Know About Unicode and Character Sets]□□□□□□□□□□□□□

* □□Unicode□□

* RFC3629□UTF-8, a transformation format of ISO 10646□□□
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Note

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http://www.ruanyifeng.com/blog/2007/10/ascii_unicode_and_utf-8.html □□: □□□

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- [illegible]Microsoft YaHei [illegible]Windows 7[illegible]

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font-family: Georgia, "Times New Roman",
             "Microsoft YaHei", "□□□□",
             STXihei, "□□□□",
             serif;
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Note

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- git clone
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$ git clone
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```
$ git clone https://github.com/jquery/jquery.git
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clone□□□□□□□□□

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$ git clone
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git clone□□□□□□□□□HTTP(s)□□□□□□SSH□Git□□□□□□□□□□□□□□□
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$ git clone http[s]://example.com/path/to/repo.git/
$ git clone ssh://example.com/path/to/repo.git/
$ git clone git://example.com/path/to/repo.git/
$ git clone /opt/git/project.git
$ git clone file:///opt/git/project.git
$ git clone ftp[s]://example.com/path/to/repo.git/
$ git clone rsync://example.com/path/to/repo.git/
```

SSH□□□□□□□□□□

```
$ git clone [user@]example.com:path/to/repo.git/
```

□□□□□Git□□□□□□□□□SSH□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□

□□git remote

□□□□□□□Git□□□□□□□□□□□□□□□□□□□git remote□□□□□□□□□□□

□□□□□□□□git remote□□□□□□□□□□□

```
$ git remote
origin
```

□□-v□□□□□□□□□□□□□□□

```
$ git remote -v
origin  git@github.com:jquery/jquery.git (fetch)
origin  git@github.com:jquery/jquery.git (push)
```

□□□□□□□□□□□□□□□□□□□□origin□□□□□□□□

□□□□□□□□□□□□□□□□□□□□Git□□□origin□□□□□□□□□□□□□□□git
clone□□□-o□□□□□

```
$ git clone -o jQuery https://github.com/jquery/jquery.git
$ git remote
jQuery
```

□□□□□□□□□□□□□□□□□□□□□jQuery□

git remote show□□□□□□□□□□□□□□□□□□□□

```
$ git remote show
```

git remote add□□□□□□□□□□□

```
$ git remote add
```

git remote rm□□□□□□□□□□□

```
$ git remote rm
```

git remote rename□□□□□□□□□□□□

```
$ git remote rename
```

□□git fetch

□□□□□□□□□□□□□□Git□□□□commit□□□□□□□□□□□□□□□□□□□git fetch□□□

```
$ git fetch
```

□□□□□□□□□□□□□□□□□□□□□

□□□□□□git fetch□□□□□□□branch□□□□□□□□□□□□□□□□□□□□□□□□□□

```
$ git fetch
```

□□□□□origin□□□master□□□

```
$ git fetch origin master
```

□□□□□□□□□□□□□□□”□□□/□□□”□□□□□□□origin□□□master□□□□origin/master□□□

git branch□□□-r□□□□□□□□□□□□□□-a□□□□□□□□□

```
$ git branch -r
origin/master

$ git branch -a
* master
  remotes/origin/master
```

□□□□□□□□□□□□□□□□□master□□□□□□origin/master□

□□□□□□□□□□□□□□□□□□□□□□□git checkout□□□□□□□□□□□

```
$ git checkout -b newBrach origin/master
```

□□□□□□□□origin/master□□□□□□□□□□□□□

□□□□□□□□git merge□□□□git rebase□□□□□□□□□□□□□□□□

```
$ git merge origin/master
# □□
$ git rebase origin/master
```

□□□□□□□□□□□□□□□origin/master□

□□git pull

git pull□□
□□

```
$ git pull  :
```

□□□□□origin□□□next□□□□□□□master□□□□□□□□□□□□□□

```
$ git pull origin next:master
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
$ git pull origin next
```

□□□□□□□□□origin/next□□□□□□□□□□□□□□□□□□□□□□git fetch□□□
git merge□

```
$ git fetch origin
$ git merge origin/next
```

□□□□□□Git□□□□□□□□□□□□□□□□□□□□□□□□□tracking□□□□□□git clone□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□master□□□□”□□”origin/master□□□

Git□□□□□□□□□□□□

```
git branch --set-upstream master origin/next
```

□□□□□□master□□□□origin/next□□□

□□□□□□□□□□□□□□□□□□git pull□□□□□□□□□□□

```
$ git pull origin
```

□□□□□□□□□□□□□□□□□□□□origin□□”□□□□”□remote-tracking branch□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
$ git pull
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□rebase□□□□□□□—rebase□□□

```
$ git pull --rebase  :
```

□□git push

git push□□□□□□□□□□□□□□□□□□□□□□□□□□git pull□□□□□

```
$ git push  :
```

□□□□□□□□□□□□□:□□□git pull□:□□git push□:□

[illegible]”[illegible]”[illegible]

```
$ git push origin master
```

[illegible]master[illegible]origin[illegible]master[illegible]

[illegible]

```
$ git push origin :master
# [illegible]
$ git push origin --delete master
```

[illegible]origin[illegible]master[illegible]

[illegible]

```
$ git push origin
```

[illegible]origin[illegible]

[illegible]

```
$ git push
```

[illegible]-u[illegible]git push[illegible]

```
$ git push -u origin master
```

[illegible]master[illegible]origin[illegible]origin[illegible]git push[illegible]

[illegible]git push[illegible]simple[illegible]matching[illegible]Git 2.0[illegible]matching[illegible]simple[illegible]git config[illegible]

```
$ git config --global push.default matching
# □□
$ git config --global push.default simple
```

□□—all□
□□

```
$ git push --all origin
```

□□□□□□□□□□□□□□□□□□origin□□□

□□□□□□□□□□□□□□□□□□□□Git□□□□□□□□□□□git pull□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□—force□□□

```
$ git push --force origin
```

□□□□□□—force□□□□□□□□□□□□□□□□□”□□□□”□□□□non-fast-
forward merge□□□□□□□□□□□□□□□□□□□□□□□—force□□□

□□□git push□□□□□□□tag□□□□□□—tags□□□

```
$ git push origin --tags
```

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2014/06/git_remote.html □
□: □□□

□□: □□□ http://www.me115.com

RESTful API □□□□

ruanyifeng.com

□□
□□□□□……□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□API□□□□□□□□□□“API First”□□□□□□RESTful API□□□□□□□□□□□□□□□□□□API□□□□□□□□□□
□□□□□RESTful□□□□□□□□□□□□□□□

□□□□□□□RESTful API□□□□□□□□□□□□□□□□□□□□API□□□□□□□□□□□
□□Principles of good RESTful API Design□□

□□□□

API□□□□□□□□□□□□□HTTPs□□□

□□□□

□□□□□API□□□□□□□□□□

```
https://api.example.com
```

□□□□API□□□□□□□□□□□□□□□□□□□□□□□□

```
https://example.org/api/
```

□□□□□Versioning□

□□□API□□□□□□URL□

```
https://api.example.com/v1/
```

□□□□□□□□□□□□□HTTP□□□□□□□□□□URL□□□□□□

□□□□□Endpoint□

□□□□”□□”□endpoint□□□□API□□□□□□

□RESTful□□□□□□□□□□□□□□□resource□□”□□”□collection□□□□API□□□□□□□□□□□□

□□□□□□□□API□□□□□□zoo□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

- https://api.example.com/v1/zoos
- https://api.example.com/v1/animals
- https://api.example.com/v1/employees

□□HTTP□□

□□□□□□□□□□□□□HTTP□□□□□

□□□HTTP□□□□□□□□□□□□□□□SQL□□□□

- GET□SELECT□□□□□□□□□□□□□□□□□□
- POST□CREATE□□□□□□□□□□□□□
- PUT□UPDATE□□□□□□□□□□□□□□□□□□□□□□□□□□
- PATCH□UPDATE□□□□□□□□□□□□□□□□□□□□□□□
- DELETE□DELETE□□□□□□□□□□□

□□□□□□□□HTTP□□□

- HEAD□□□□□□□□□□
- OPTIONS□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□

- GET /zoos□□□□□□□□
- POST /zoos□□□□□□□□
- GET /zoos/ID□□□□□□□□□□□□□
- PUT /zoos/ID□□□□□□□□□□□□□□□□□□□□□□□□□□
- PATCH /zoos/ID□□□□□□□□□□□□□□□□□□□□□□□□□□
- DELETE /zoos/ID□□□□□□□□
- GET /zoos/ID/animals□□□□□□□□□□□□□□□
- DELETE /zoos/ID/animals/ID□□□□□□□□□□□□□□□

□□□□□□Filtering□

□□□□□□□□□□□□□□□□□□□□□□□□□API□□□□□□□□□□□□□

□□□□□□□□□□□

- ?limit=10□□□□□□□□□
- ?offset=10□□□□□□□□□□□□□
- ?sortby=nameℴ=asc□□□□□□□□□□□□□□□□□□□□□□□
- ?animal_type_id=1□□□□□□□

□□□□□□□□□□□□□□□API□□□□□URL□□□□□□□□□□□GET /zoo/ID/animals □ GET /animals?zoo_id=ID □□□□□□□□

□□□□□Status Codes□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□HTTP□□□□

- 200 OK - [GET]□□□□□□□□□□□□□□□□□□□□□□□ □Idempotent□□
- 201 CREATED - [POST/PUT/PATCH]□□□□□□□□□□□□□
- 204 NO CONTENT - [DELETE]□□□□□□□□□□
- 400 INVALID REQUEST - [POST/PUT/PATCH]□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- 404 NOT FOUND - [*]□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□

- 500 INTERNAL SERVER ERROR - [*][illegible]

[illegible][illegible][illegible]

[illegible]Error handling[illegible]

[illegible]4xx[illegible]error[illegible]

```
{
    error: "Invalid API key"
}
```

[illegible]

[illegible]

- GET /collection[illegible]
- GET /collection/resource[illegible]
- POST /collection[illegible]
- PUT /collection/resource[illegible]
- PATCH /collection/resource[illegible]
- DELETE /collection/resource[illegible]

[illegible]Hypermedia API

RESTful API[illegible]Hypermedia[illegible]API[illegible]

[illegible]api.example.com[illegible]

```
{"link": {
  "rel":   "collection https://www.example.com/zoos",
  "href":  "https://api.example.com/zoos",
  "title": "List of zoos",
```

```
  "type":  "application/vnd.yourformat+json"
}}
```

□□□□□□□□□□□□□□link□□□□□□□□□□□□□□□□□□□□□□□□API□□rel□□□□
API□□□□□□□□□□collection□□□□□□□□collection□□□□□href□□API□□
□□title□□API□□□□type□□□□□□□□

Hypermedia API□□□□□□□HATEOAS□Github□API□□□□□□□□□□
api.github.com□□□□□□□□□□API□□□□□□□

```
{
  "current_user_url": "https://api.github.com/user",
  "authorizations_url":
"https://api.github.com/authorizations",
  // ...
}
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□api.github.com/user□□□□□□□□□
□□□□

```
{
  "message": "Requires authentication",
  "documentation_url": "https://developer.github.com/v3"
}
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□

□1□API□□□□□□□□□□OAuth 2.0□□□

□2□□□□□□□□□□□□□□□□□□□□JSON□□□□□XML□

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2014/05/restful_api.html □

□: □□□

□□: □□□ http://www.me115.com

□□OAuth 2.0

ruanyifeng.com

OAuth□□□□□□□□authorization□□□□□□□□□□□□□□□□□□□□□□□□□□
2.0□□

□□□OAuth 2.0□□□□□□□□□□□□□□□□□□□□□□□□□□□□□RFC 6749□

□□□□□□

□□□□OAuth□□□□□□□□□□□□□□□□□

□□□”□□□”□□□□□□□□□□□□Google□□□□□□□□□□□□□□□□□□□□□”□□
□”□□□□□□□Google□□□□□

□□□□□□□□□□□□□Google□□□□”□□□”□□□□□□□□□□”□□□”□□□□□□□□
□□□

□□□□□□□□□□□□Google□□□□□□□□□”□□□”□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□

> □1□”□□□”□□□□□□□□□□□□□□□□□□□□□□□□
>
> □2□Google□□□□□□□□□□□□□□□□□□□□□□□□□□□□
>
> □3□”□□□”□□□□□□□□□□Google□□□□□□□□□□□□□”□□□”□□□□□
> □□□□□□□
>
> □4□□□□□□□□□□□□□□□”□□□”□□□□□□□□□□□□□□□□□□□□□□□□
> □□□□□□□□□□□□
>
> □5□□□

OAuth□□□□□□□□□□□□□□□□□

□□□□□□

□□□□□OAuth 2.0□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□1□ **Third-party application**□□□□□□□□□□□□□□”□□
□”□client□□□□□□□□□□”□□□”□

□2□**HTTP service**□HTTP□□□□□□□□□□□”□□□□□”□□□□□□□□□
Google□

□3□**Resource Owner**□□□□□□□□□□□□□”□□”□user□□

□4□**User Agent**□□□□□□□□□□□□□□□□

□5□**Authorization server**□□□□□□□□□□□□□□□□□□□□□□□□□
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□6□**Resource server**□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□**OAuth**□□□

OAuth□”□□□”□”□□□□□”□□□□□□□□□□□authorization layer□□”□
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OAuth 2.0□□□□□□□□□□□RFC 6749□

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□F□□□□□□□□□□□□□□□□□□□□□□□□

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□□□□□□□□□□□□□authorization grant□□□□□□□□□access token□□
OAuth 2.0□□□□□□□□□□

- □□□□□□authorization code□
- □□□□□implicit□
- □□□□□resource owner password credentials□
- □□□□□□client credentials□

□□□□□□□

□□□□□□authorization code□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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（C）假设用户给予授权，认证服务器将用户导向客户端事先指定的”重定向URI”（redirection URI），同时附上一个授权码。

（D）客户端收到授权码，附上早先的”重定向URI”，向认证服务器申请令牌。这一步是在客户端的后台的服务器上完成的，对用户不可见。

（E）认证服务器核对了授权码和重定向URI，确认无误后，向客户端发送访问令牌（access token）和更新令牌（refresh token）。

下面是上面这些步骤所需要的参数。

A步骤中，客户端申请认证的URI，包含以下参数：

- response_type：表示授权类型，必选项，此处的值固定为”code”
- client_id：表示客户端的ID，必选项
- redirect_uri：表示重定向URI，可选项
- scope：表示申请的权限范围，可选项
- state：表示客户端的当前状态，可以指定任意值，认证服务器会原封不动地返回这个值。

下面是一个例子。

```
GET /authorize?
response_type=code&client_id=s6BhdRkqt3&state=xyz

&redirect_uri=https%3A%2F%2Fclient%2Eexample%2Ecom%2Fcb
HTTP/1.1
Host: server.example.com
```

C步骤中，服务器回应客户端的URI，包含以下参数：

- code：表示授权码，必选项。该码的有效期应该很短，通常设为10分钟，客户端只能使用该码一次，否则会被授权服务器拒绝。该码与客户端ID和重定向URI，是一一对应关系。
- state：如果客户端的请求中包含这个参数，认证服务器的回应也必须一模一样包含这个参数。

下面是一个例子。

```
HTTP/1.1 302 Found
Location: https://client.example.com/cb?
```

```
code=SplxlOBeZQQYbYS6WxSbIA
          &state=xyz
```

D[illegible]HTTP[illegible]

- grant_type[illegible] [illegible]"authorization_code"[illegible]
- code[illegible]
- redirect_uri[illegible]URI[illegible]A[illegible]
- client_id[illegible]ID[illegible]

[illegible]

```
POST /token HTTP/1.1
Host: server.example.com
Authorization: Basic czZCaGRSa3F0MzpnWDFmQmF0M2JW
Content-Type: application/x-www-form-urlencoded

grant_type=authorization_code&code=SplxlOBeZQQYbYS6WxSbIA
&redirect_uri=https%3A%2F%2Fclient%2Eexample%2Ecom%2Fcb
```

E[illegible]HTTP[illegible]

- access_token[illegible]
- token_type[illegible]bearer[illegible]mac[illegible]
- expires_in[illegible]
- refresh_token[illegible]
- scope[illegible]

[illegible]

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache

{
  "access_token":"2YotnFZFEjr1zCsicMWpAA",
  "token_type":"example",
  "expires_in":3600,
```

```
  "refresh_token":"tGzv3JOkF0XG5Qx2TlKWIA",
  "example_parameter":"example_value"
}
```

□□□□□□□□□□□□□□□□JSON□□□□□Content-Type:
application/json□□□□□HTTP□□□□□□□□□□□□□

□□□□□□

□□□□□implicit grant type□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□”□□□

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□C□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□URI”□□□URI□Hash
□□□□□□□□□□

□D□□□□□□□□□□□□□□□□□□□□□□□□□□Hash□□

□E□□□□□□□□□□□□□□□□□□□□□□□□Hash□□□□□□

□F□□□□□□□□□□□□□□□□□□□□□

□G□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□

A□□□□□□□□□□HTTP□□□□□□□□□□

- response_type□□□□□□□□□□□□□□”token”□□□□□
- client_id□□□□□□□ID□□□□□
- redirect_uri□□□□□□□URI□□□□□
- scope□□□□□□□□□□□□

- state[illegible]

[illegible]

```
GET /authorize?
response_type=token&client_id=s6BhdRkqt3&state=xyz
    &redirect_uri=https%3A%2F%2Fclient%2Eexample%2Ecom%2Fcb
HTTP/1.1
Host: server.example.com
```

C[illegible]URI[illegible]

- access_token[illegible]
- token_type[illegible]
- expires_in[illegible]
- scope[illegible]
- state[illegible]

[illegible]

```
HTTP/1.1 302 Found
Location:
http://example.com/cb#access_token=2YotnFZFEjr1zCsicMWpAA
          &state=xyz&token_type=example&expires_in=3600
```

[illegible]HTTP[illegible]Location[illegible]Hash[illegible]

[illegible]D[illegible]Location[illegible]Hash[illegible]E[illegible]Hash[illegible]

[illegible]

[illegible]Resource Owner Password Credentials Grant[illegible]”[illegible]”[illegible]

[illegible]

[illegible]

[illegible]A[illegible]

[illegible]B[illegible]

[illegible]C[illegible]

B[illegible]HTTP[illegible]

- grant_type[illegible]”password”[illegible]
- username[illegible]
- password[illegible]
- scope[illegible]

[illegible]

```
POST /token HTTP/1.1
Host: server.example.com
Authorization: Basic czZCaGRSa3F0MzpnWDFmQmF0M2JW
Content-Type: application/x-www-form-urlencoded

grant_type=password&username=johndoe&password=A3ddj3w
```

C[illegible]

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache

{
  "access_token":"2YotnFZFEjr1zCsicMWpAA",
  "token_type":"example",
  "expires_in":3600,
  "refresh_token":"tGzv3JOkF0XG5Qx2TlKWIA",
  "example_parameter":"example_value"
}
```

[illegible]

整个过程中，客户端不得保存用户的密码。

八、客户端模式

客户端模式（Client Credentials Grant）指客户端以自己的名义，而不是以用户的名义，向"服务提供商"进行认证。严格地说，客户端模式并不属于OAuth框架所要解决的问题。在这种模式中，用户直接向客户端注册，客户端以自己的名义要求"服务提供商"提供服务，其实不存在授权问题。

它的步骤如下：

（A）客户端向认证服务器进行身份认证，并要求一个访问令牌。

（B）认证服务器确认无误后，向客户端提供访问令牌。

A步骤中，客户端发出的HTTP请求，包含以下参数：

- grant_type：表示授权类型，此处的值固定为"client_credentials"，必选项。
- scope：表示权限范围，可选项。

```
POST /token HTTP/1.1
Host: server.example.com
Authorization: Basic czZCaGRSa3F0MzpnWDFmQmF0M2JW
Content-Type: application/x-www-form-urlencoded

grant_type=client_credentials
```

认证服务器必须以某种方式，验证客户端身份。

B步骤中，认证服务器向客户端发送访问令牌，下面是一个例子。

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache

{
  "access_token":"2YotnFZFEjr1zCsicMWpAA",
  "token_type":"example",
  "expires_in":3600,
```

```
  "example_parameter":"example_value"
}
```

□□□□□□□□□□□□□□□□□□□□□□□□□

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□□□□□□□□□□HTTP□□□□□□□□□□

- grant*type□□□□□□□□□□□□□□□□□□”refresh*token”□□□□□
- refresh_token□□□□□□□□□□□□□□□□□
- scope□□□

□□□□□□□□

```
POST /token HTTP/1.1
Host: server.example.com
Authorization: Basic czZCaGRSa3F0MzpnWDFmQmF0M2JW
Content-Type: application/x-www-form-urlencoded

grant_type=refresh_token&refresh_token=tGzv3JOkF0XG5Qx2TlKW
IA
```

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2014/05/oauth_2_0.html □□: □□□

□□: □□□ http://www.me115.com

Linux□□□□□□□□□□

ruanyifeng.com

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□□□□□□□Debian/Ubuntu□□□□□Linux□□□□□□□□□□□□□□□□□

□□□□**root**□□□□

□□□□□root□□□□□□□□□□□IP□128.199.209.242□□

```
ssh root@128.199.209.242
```

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□□□□□root□□□□□□

```
passwd
```

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□□□□□□□□□□□□□□□□admin□□□□□

```
addgroup admin
```

□□□□□□□□□□□□□□bill□□

```
useradd -d /home/bill -s /bin/bash -m bill
```

□□□□□□□□d□□□□□□□□□□□s□□□□□shell□□□m□□□□□□□□□□□□□□□□
□□

□□□□□□□□□□□□

```
passwd bill
```

□□□□□bill□□□□□□□□admin□□

```
usermod -a -G admin bill
```

□□□□□□□□□sudo□□□

```
visudo
```

visudo□□□□□sudo□□□□/etc/sudoers□□□□□□□□□

```
root    ALL=(ALL:ALL) ALL
```

□□□□□□□□□□□□□□

```
root    ALL=(ALL:ALL) ALL
bill    ALL=(ALL) NOPASSWD: ALL
```

□□□NOPASSWD□□□□□sudo□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□

```
root    ALL=(ALL:ALL) ALL
bill    ALL=(ALL:ALL) ALL
```

□□□□□□root□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
exit
ssh bill@128.199.209.242
```

□□□□SSH□□

□□□□□□□□SSH□□□□□□□□~/.ssh/id_rsa.pub□□□□□□□□□□□ssh-keygen□□□□□□□□□□□□□SSH□□□□

□□□□□□□□shell□□□□□□□□□□□□□□□□authorized_keys□□□

```
cat ~/.ssh/id_rsa.pub | ssh bill@128.199.209.242 'mkdir -p
.ssh && cat - >> ~/.ssh/authorized_keys'

# □□□□□□□□□□□□□□

echo "ssh-rsa [your public key]" > ~/.ssh/authorized_keys
```

□□□□□□□□□□□SSH□□□□/etc/ssh/sshd_config□

```
sudo cp /etc/ssh/sshd_config ~
sudo nano /etc/ssh/sshd_config
```

□□□□□□□□SSH□□□□□22□□□□□□□□1025□65536□□□□□□□□□□□□□
□□25000□□

```
Port 25000
```

□□□□□□□□□□□□□□□□□□□□□□□□□#□□

```
Protocol 2

PermitRootLogin no
PermitEmptyPasswords no
PasswordAuthentication no

RSAAuthentication yes
PubkeyAuthentication yes
AuthorizedKeysFile .ssh/authorized_keys

UseDNS no
```

□□□□□□□root□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□

```
AllowUsers bill
```

□□□□□□□□□□□

□□□□□authorized_keys□□□□□□

```
sudo chmod 600 ~/.ssh/authorized_keys && chmod 700 ~/.ssh/
```

□□□□□SSHD□

```
sudo service ssh restart

# □□

sudo /etc/init.d/ssh restart
```

□□□□□□□□□□□□□~/.ssh□□□□□□config□□□□□□□□

```
Host s1
HostName 128.199.209.242
User bill
Port 25000
```

□□□□□□□□□□shell□□□□□SSH□□□□□□□

```
ssh s1
```

□□□□□□□□□□

□□□□□□□□□□□□□□

```
locale
```

□□□□□□en_US.UTF-8□□□□□□□□

```
sudo locale-gen en_US en_US.UTF-8 en_CA.UTF-8
sudo dpkg-reconfigure locales
```

□□□□□□□□

```
sudo apt-get update
sudo apt-get upgrade
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□HTTP□HTTPs□SSH□□□□□□□□□□
□□Fail2Ban□□□□□□□□□Securing a Linux Server□□

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2014/03/server_setup.html □□: □□□

□□: □□□ http://www.me115.com

Css[illegible]

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[illegible]CSS[illegible]

[illegible]CSS[illegible]

[illegible]CSS[illegible]transition[illegible]animation[illegible]

[illegible]2013[illegible]10[illegible]Lea Verou[illegible]JSConf.Asia[illegible]CSS in the 4th Dimension[illegible]

[illegible]CSS Transition

1.1 [illegible]

[illegible]CSS 3[illegible]Transition[illegible]CSS[illegible]

[illegible]

```
img{
    height:15px;
    width:15px;
}

img:hover{
    height: 450px;
    width: 450px;
}
```

transition[illegible]

```
img{
    transition: 1s;
}
```

□□□□□□□□□□□□□□□□1□□□□□□□

□□□□□□□transition□□□□□□□□□□□□height□

```
img{
    transition: 1s height;
}
```

□□□□□□□height□□□□□1□□□□□□□□□□□□width□□□□□□□□□□□□□

1.2 transition-delay

□□□□transition□□□□□□□□□□□□□□□

```
img{
    transition: 1s height, 1s width;
}
```

□□□□□□□□height□width□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□height□□□□□□□□□□□□□□width□□□□□□□□□□□□□□□□□
width□□□□delay□□□

```
img{
    transition: 1s height, 1s 1s width;
}
```

□□□□□□□width□1□□□□□□□□□□□□□□□□delay□1□□□□□□□

delay□□□□□□□□□□□□□□□□□□□□□□□□□□□transition□□□□□□□□□□□
□□□

1.3 transition-timing-function

transition□□□□□□□□□□□timing function□□□□□□□□□□□□□□□□□□□□□□
ease□

```
img{
    transition: 1s ease;
}
```

□□ease□□□□□□□□□□

□1□linear□□□

□2□ease-in□□□

□3□ease-out□□□

□4□cubic-bezier□□□□□□□□□□

□□□□cubic-bezier□□□□□[□□□□]□□□□

```
img{
    transition: 1s height cubic-bezier(.83,.97,.05,1.44);
}
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□

1.4 transition□□□□□

transition□□□□□□□□

```
img{
    transition: 1s 1s height ease;
}
```

□□□□□□□□□□□□□□□□□□□□□□□

```
img{
    transition-property: height;
    transition-duration: 1s;
    transition-delay: 1s;
    transition-timing-function: ease;
}
```

1.5 transition□□□□□

□1□□□□□□□□□□□□IE 10□□□□□□□□□□transition□□□transition□□□
□□□□□□□□□□□□□

□2□□□□□□CSS□□□□□transition□□□□□□□□[□□]□□□□□□[□□]□

□3□transition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
height□0px□□□100px□transition□□□□□□□□□□□□transition□□□□
0px□auto□□□□□□□□□□□□□□□□□□□□□□height: auto□□□□□□□□□□
□□□□□□□□□□□display: none□block□background: url(foo.jpg)□
url(bar.jpg)□□□

1.6 transition□□□

transition□□□□□□□□□□□□□□□□□□□□□□

□1□transition□□□□□□□□□□□□□□□□□□□□□□

□2□transition□□□□□□□□□□□□□□□□□□□□

□3□transition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□4□□□transition□□□□□□□□□□□□□□□□□□□□□□□□

CSS Animation□□□□□□□□□□□□□□□

□□□□CSS Animation

2.1 □□□□

□□□CSS Animation□□□□□□□□□□□□□□□□□□□□□□□□□□

```
div:hover {
  animation: 1s rainbow;
}
```

□□□□□□□□□□□□□div□□□□□□□□□□rainbow□□□□□□□□□□□1□□□□□□
□□□□□keyframes□□□□□□rainbow□□□

```
@keyframes rainbow {
  0% { background: #c00; }
  50% { background: orange; }
  100% { background: yellowgreen; }
}
```

□□□□□□□rainbow□□□□□□□□□□□□□□□□0%□□□□□50%□□□□□100%□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□infinite□□□□□□□□□□□□□□□

```
div:hover {
  animation: 1s rainbow infinite;
}
```

□□□□□□□□□□□□□□□□□3□□

```
div:hover {
  animation: 1s rainbow 3;
}
```

□□□□□□□□□□□□□□□□□□□

2.2 animation-fill-mode

□□animation-fill-mode□□□

```
div:hover {
  animation: 1s rainbow forwards;
}
```

forwards□□□□□□□□□□□□□□□□□□

animation-fill-mode□□□□□□□□□

□1□none□□□□□□□□□□□□□□□□□

□2□backwards□□□□□□□□□□□□□

□3□both: □□animation-direction□□□□□□□forwards□
backwards□□□

2.3 animation-direction

□□□□□□□□□□□□□□□□□□□□□□□□□□□animation-direction□□□
□□□□□□□□

□□□□□□□□□□□□□animation-direction□□□□□□□□□□□□□

```
@keyframes rainbow {
  0% { background-color: yellow; }
  100% { background: blue; }
}
```

□□□□□animation-direction□□normal□

```
div:hover {
  animation: 1s rainbow 3 normal;
}
```

□□□□□□□□alternate□reverse□alternate-reverse□□□□□□□□□□
□□□□□□□□□□□

□□□animation-direction□□□□□□□□□□□□□□normal□
reverse□□□□□□□□□□□□□□□□□□

2.4 animation□□□□

□transition□□□animation□□□□□□□□

```
div:hover {
  animation: 1s 1s rainbow linear 3 forwards normal;
}
```

□□□□□□□□□□□□□□□□□□□

```
div:hover {
  animation-name: rainbow;
  animation-duration: 1s;
```

```
  animation-timing-function: linear;
  animation-delay: 1s;
    animation-fill-mode:forwards;
  animation-direction: normal;
  animation-iteration-count: 3;
}
```

2.5 keyframes□□□

keyframes□□□□□□□□□□□□□□□□□□□□□□□□

```
@keyframes rainbow {
  0% { background: #c00 }
  50% { background: orange }
  100% { background: yellowgreen }
}
```

0%□□□from□□□100%□□□to□□□□□□□□□□□□□□□□□□□

```
@keyframes rainbow {
  from { background: #c00 }
  50% { background: orange }
  to { background: yellowgreen }
}
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
@keyframes rainbow {
  50% { background: orange }
  to { background: yellowgreen }
}

@keyframes rainbow {
  to { background: yellowgreen }
}
```

□□□□□□□□□□□□□□□

```
@keyframes pound {
  from□to { transform: none; }
  50% { transform: scale(1.2); }
}
```

[illegible]steps[illegible]

```
div:hover {
  animation: 1s rainbow infinite steps(10);
}
```

[illegible]steps[illegible]

2.6 animation-play-state

[illegible]

[illegible]

[illegible]animation-play-state[illegible]

```
div {
    animation: spin 1s linear infinite;
    animation-play-state: paused;
}

div:hover {
  animation-play-state: running;
}
```

[illegible]

2.7 [illegible]

[illegible]IE 10[illegible]Firefox[illegible]>= 16[illegible]animation[illegible]chrome[illegible]webkit[illegible]

[illegible]

```
div:hover {
  -webkit-animation: 1s rainbow;
  animation: 1s rainbow;
}

@-webkit-keyframes rainbow {
  0% { background: #c00; }
```

```
  50% { background: orange; }
  100% { background: yellowgreen; }
}

@keyframes rainbow {
  0% { background: #c00; }
  50% { background: orange; }
  100% { background: yellowgreen; }
}
```

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2014/02/css_transition_and_animation.html □□: □□□

□□: □□□ http://www.me115.com

Ssl/tls□□□□□□□□□

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□□□□□□□□□□□□SSL/TLS□□□□□

□□□□□□SSL/TLS□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□RFC□□□

□□□□

□□□SSL/TLS□HTTP□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□1□ □□□□□eavesdropping□□□□□□□□□□□□□□

□2□ □□□□□tampering□□□□□□□□□□□□□□

□3□ □□□□□pretending□□□□□□□□□□□□□□□□□□

SSL/TLS□□□□□□□□□□□□□□□□□□□□□□

□1□ □□□□□□□□□□□□□□□□□□□

□2□ □□□□□□□□□□□□□□□□□□□□□□□

□3□ □□□□□□□□□□□□□□□

□□
□□□□□□□□□□□SSL/TLS□□□□□□□□□

□□□□

□□□□□□□□□□□□□□□□□□□□□□□

1994□□NetScape□□□□□SSL□□□Secure Sockets Layer□□
1.0□□□□□□□□

1995□□NetScape□□□□SSL 2.0□□□□□□□□□□□□

1996□□SSL 3.0□□□□□□□□□□□□

1999□□□□□□□□□□ISOC□□NetScape□□□□□□SSL□□□□TLS 1.0
□□

2006□□2008□□TLS□□□□□□□□□□□TLS 1.1□□TLS 1.2□□□□□□
□□2011□TLS 1.2□□□□□

□□□□□□□□□□TLS 1.0□□□□□SSL 3.0□□□□□□□□□□□□□□□TLS 1.2□□
□□

TLS 1.0□□□□□□SSL 3.1□TLS 1.1□SSL 3.2□TLS 1.2□SSL 3.3□

□□□□□□□□□

SSL/TLS□□□
□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□

□**1**□□□□□□□□□□□□

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□**2**□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□session□□□□□□□□□□□□□□□”□□□□”□session
key□□□□□□□□□□□□□”□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□
□”□□□□”□□□□□□□□□□□□□□□□□□□

□□□SSL/TLS□□□□□□□□□□□□

□1□ □□□□□□□□□□□□□□□□

□2□ □□□□□□”□□□□”□

（3） 双方采用”对话密钥”进行加密通信。

上面过程的前两步，又称为”握手阶段”（handshake）。

四、握手阶段的详细过程

“握手阶段”涉及四次通信，我们一个个来看。需要注意的是，”握手阶段”的所有通信都是明文的。

4.1 客户端发出请求（ClientHello）

首先，客户端（通常是浏览器）先向服务器发出加密通信的请求，这被叫做ClientHello请求。

在这一步，客户端主要向服务器提供以下信息。

（1） 支持的协议版本，比如TLS 1.0版。

（2） 一个客户端生成的随机数，稍后用于生成”对话密钥”。

（3） 支持的加密方法，比如RSA公钥加密。

（4） 支持的压缩方法。

这里需要注意的是，客户端发送的信息之中不包括服务器的域名。也就是说，理论上服务器只能包含一个网站，否则会分不清应该向客户端提供哪一个网站的数字证书。这就是为什么通常一台服务器只能有一张数字证书的原因。

对于虚拟主机的用户来说，这当然很不方便。2006年，TLS协议加入了一个Server Name Indication扩展，允许客户端向服务器提供它所请求的域名。

4.2 服务器回应（SeverHello）

服务器收到客户端请求后，向客户端发出回应，这叫做SeverHello。服务器的回应包含以下内容。

（1） 确认使用的加密通信协议版本，比如TLS 1.0版本。如果浏览器与服务器支持的版本不一致，服务器关闭加密通信。

（2） 一个服务器生成的随机数，稍后用于生成”对话密钥”。

（3） 确认使用的加密方法，比如RSA公钥加密。

（4） [illegible]

[illegible]”[illegible]”[illegible]USB[illegible]

4.3 [illegible]

[illegible]

[illegible]

（1） [illegible]

（2） [illegible]

（3） [illegible] hash[illegible]

[illegible]”pre-master key”[illegible]”[illegible]”[illegible]

[illegible]”[illegible]”[illegible]dog250[illegible]

“[illegible]SSL[illegible]

[illegible]RSA[illegible]pre-master-key[illegible]hello[illegible]

pre master[illegible]SSL[illegible]pre master secret[illegible]pre master secret[illegible]pre master secret[illegible]”

[illegible]

4.4 [illegible]

[illegible]pre-master key[illegible]”[illegible]”[illegible]

[illegible]

（1[illegible]

（2[illegible]hash[illegible]

[illegible]HTTP[illegible]”[illegible]”[illegible]

[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2014/02/ssl_tls.html
[illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

PostgreSQL新手入门

ruanyifeng.com

自从MySQL被Oracle收购以后，PostgreSQL逐渐成为开源关系型数据库的首选。

本文介绍PostgreSQL的安装和基本用法，供初次使用者上手。以下内容基于Debian操作系统，其他操作系统实在没有精力兼顾，但是大部分内容应该普遍适用。

一、安装

首先，安装PostgreSQL客户端。

```
sudo apt-get install postgresql-client
```

然后，安装PostgreSQL服务器。

```
sudo apt-get install postgresql
```

正常情况下，安装完成后，PostgreSQL服务器会自动在本机的5432端口开启。

如果还想安装图形管理界面，可以运行下面命令，但是本文不涉及这方面内容。

```
sudo apt-get install pgadmin3
```

二、添加新用户和新数据库

初次安装后，默认生成一个名为postgres的数据库和一个名为postgres的数据库用户。这里需要注意的是，同时还生成了一个名为postgres的Linux系统用户。

下面，我们使用postgres用户，来生成其他用户和新数据库。好几种方法可以达到这个目的，这里介绍两种。

第一种方法，使用PostgreSQL控制台。

首先，新建一个Linux新用户，可以取你想要的名字，这里为dbuser。

sudo adduser dbuser

□□□□□□postgres□□□

sudo su - postgres

□□□□□□psql□□□□PostgreSQL□□□□

psql

□□□□□□□□□postgres□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□”postgres=#”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□

□□□□□□□\password□□□□postgres□□□□□□□□□

\password postgres

□□□□□□□□□□□□dbuser□□□□□□□Linux□□□□□□□□□□□□

CREATE USER dbuser WITH PASSWORD ‘password’;

□□□□□□□□□□□□□□□□exampledb□□□□□□□□dbuser□

CREATE DATABASE exampledb OWNER dbuser;

□□□□□□exampledb□□□□□□□□□□□dbuser□□□dbuser□□□□□□□□□□
□□□□□□□□□□

GRANT ALL PRIVILEGES ON DATABASE exampledb to
dbuser;

□□□□□\q□□□□□□□□□□□□□□ctrl+D□□

\q

□□□□□□□□**shell**□□□□

□□□□□□□□□□□□□□PostgreSQL□□□□□□□□□shell□□□□□□□□□□□PostgreSQL□□□□□□□□createuser□createdb□□□□□□□□dbuser□□□□exampledb□□□

□□□□□□□□□□dbuser□□□□□□□□□□□

```
sudo -u postgres createuser —superuser dbuser
```

□□□□□□□□□□□□□□dbuser□□□□□□□□□□□□□□□

```
sudo -u postgres psql

\password dbuser

\q
```

□□□□shell□□□□□□□□□□exampledb□□□□□□□□dbuser□

```
sudo -u postgres createdb -O dbuser exampledb
```

□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□psql□□□

```
psql -U dbuser -d exampledb -h 127.0.0.1 -p 5432
```

□□□□□□□□□□□□-U□□□□□-d□□□□□□-h□□□□□□-p□□□□□

□□□□□□□□□□□□□□□□dbuser□□□□□□□□□□□□□□□□□□□□□

psql□□□□□□□□□□□□□Linux□□□□□□□□□PostgreSQL□□□□□□□□□□□□-U□□□□□□□□□□□□□□Linux□□□□□□ruanyf□□PostgreSQL□□□□□□□□□□□□□ruanyf□□□□Linux□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
psql exampledb
```

□□□□□PostgreSQL□□ruanyf□□□□□□□□□□psql□□□□□□□□□□

```
psql
```

[illegible]

```
psql exampledb < exampledb.sql
```

[illegible]

[illegible]\password[illegible]\q[illegible]

- \h[illegible]SQL[illegible]\h select[illegible]
- \?[illegible]psql[illegible]
- \l[illegible]
- \c [database_name][illegible]
- \d[illegible]
- \d [table_name][illegible]
- \du[illegible]
- \e[illegible]
- \conninfo[illegible]

[illegible]

[illegible]SQL[illegible]

```
# [illegible]
CREATE TABLE user_tbl(name VARCHAR(20),
signup_date DATE);
# [illegible]
INSERT INTO user_tbl(name, signup_date) VALUES('[illegible]',

'2013-12-22');

# [illegible]
SELECT * FROM user_tbl;
# [illegible]
UPDATE user_tbl set name = '[illegible]' WHERE name = '[illegible]';
```

```
# □□□□
DELETE FROM user_tbl WHERE name = ‘□□’ ;
# □□□□
ALTER TABLE user_tbl ADD email VARCHAR(40);
# □□□□
ALTER TABLE user_tbl ALTER COLUMN signup_date SET
NOT NULL;
# □□□□
ALTER TABLE user_tbl RENAME COLUMN signup_date TO
signup;
# □□□□
ALTER TABLE user_tbl DROP COLUMN email;
# □□□□
ALTER TABLE user_tbl RENAME TO backup_tbl;
# □□□□
DROP TABLE IF EXISTS backup_tbl;
```

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2013/12/getting_started_with_postgresql.html □□: □□□

□□: □□□ http://www.me115.com

□□□□□□□□ajax□□□

ruanyifeng.com

□□□□□□□□□□□□“□□□□□”□Single-page application□□

□□□□□□□□□□□□□Ajax□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□AJAX□□□□□□□□□□□□□□□□□□□□□□□□

```
http://example.com
```

□□□□□□□□□URL□□□□□□□□□

```
http://example.com#1
http://example.com#2
http://example.com#3
```

□□□□□□□□□□example.com□□□□□□□□□□□□□□□□□□□

□□□□□□□□□Google□□□”□□+□□□”□□□□

```
http://example.com#!1
```

□Google□□□□□□□URL□□□□□□□□□□□□

```
http://example.com/?_escaped_fragment_=1
```

□□□□AJAX□□□□□□□□□Google□□□□□□□□□□”□□+□□□”□□□□□□□□
Twitter□□□□□□□□□□□

```
http://twitter.com/ruanyf
```

□□

```
http://twitter.com/#!/ruanyf
```

□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□URL□□□□□□□□□□□□□AJAX□□□

□□□□□□□□□□□□□□□□□□□Discourse□□□□□□Robin Ward□□□□□□□
□□□□□□

Discourse□□□□□□□□□□□Ajax□□□□□□□Google□□□□□□□□□□□□□
□□□□□□□□ History API□

□□ History API□□□□□□□□□□□□□□□□□□□□□□□□URL(□□□□□□□□□□
□□□□)□□

□□□□URL□□□□□□□□□□□□□

History API □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□History□
□□□□□□□□□

```
window.history.pushState(state object, title, url);
```

□□□□□□□□□□□□□□□□URL□History□□□pushState□□□□□□□□□□
URL□□□□□□□□□□□□□□□□null□

```
window.history.pushState(null, null, newURL);
```

□□□□□□□□□□□□□□□Chrome□26.0+□□Firefox□20.0+□□IE
□10.0+□□Safari□5.1+□□Opera□12.1+□□

□□□□Robin Ward□□□□

**□□□□History API□□□□□□□□□□□□□□□□□□□URL□□□□□□□□□□□
□□□□□**

```
example.com/1
example.com/2
example.com/3
```

□□□□□□□JavaScript□□□□□Ajax□□□□□□□□□□□□□□□jQuery□□

```
function anchorClick(link) {
   var linkSplit = link.split('/').pop();
   $.get('api/' + linkSplit, function(data) {
```

```
        $('#content').html(data);
    });
}
```

□□□□□□click□□□

```
$('#container').on('click', 'a', function(e) {
    window.history.pushState(null, null,
$(this).attr('href'));
    anchorClick($(this).attr('href'));
    e.preventDefault();
});
```

□□□□□□□□□□□□□”□□ / □□”□□□□□□□□History□□□popstate□□□

```
window.addEventListener('popstate', function(e) {
    anchorClick(location.pathname);
  });
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□URL□AJAX□□□

□□□□□□□□□□

□□□□□□□□□□□□URL□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□404□□□

```
... ...
```

□□□□□□□□□□□□□□□□□noscript□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□noscript□□□□□□□□□□□□□□□□□□AJAX□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□]

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□□□□□ http://www.ruanyifeng.com/tweets/□□□□□□□□□□□□□

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Note

□□□□:
http://www.ruanyifeng.com/blog/2013/07/how_to_make_search_engines_find_ajax_content.html □□: □□□

□□: □□□ http://www.me115.com

Gpg[illegible]

ruanyifeng.com

[illegible]RSA[illegible]

[illegible]GnuPG[illegible]GPG[illegible]

[illegible]GPG

[illegible]GPG[illegible]PGP[illegible]

1991[illegible]Phil Zimmermann[illegible]PGP[illegible]PGP[illegible]GnuPG[illegible]GPG[illegible]

GPG[illegible]Ubuntu[illegible]

[illegible]Linux[illegible]Windows [illegible] Mac OS [illegible]GPG[illegible]

[illegible]

GPG[illegible]

```
./configure
make
make install
```

□□□□□□□□□□□□□□

```
# Debian / Ubuntu □□
sudo apt-get install gnupg
# Fedora □□
yum install gnupg
```

□□□□□□□□□□□□□□

```
gpg —help
```

□□□□□□GPG□□□□□□□□□□□□

□□□□□□

□□□□□□□□gen-ken□□□□□□□□□□

```
gpg —gen-key
```

□□□□□□□□□□□□□□

```
gpg (GnuPG) 1.4.12; Copyright (C) 2012 Free Software

Foundation, Inc. |        This is free software: you are free to change and redistribute it. |        There is NO WARRANTY, to the extent permitted by law.

□□□□□□□□□□□□□          (1) RSA and RSA (default)

   (2) DSA and Elgamal          (3) DSA (□□□□□) |
   (4) RSA (□□□□□) |       □□□□□
```

□□□RSA□□□

□□□□□□□□□□□□□□□

```
RSA □□□□□□ 1024 □□ 4096 □□□□
```

[illegible](2048)

[illegible]2048[illegible]

[illegible]

[illegible] 0 = [illegible] =

[illegible] n [illegible] w = [illegible] n [illegible] m = [illegible] n [illegible] |
y = [illegible] n [illegible] | [illegible](0)

[illegible]

[illegible](y/n)

[illegible]y[illegible]

[illegible]

”Heinrich Heine (Der Dichter) ”

[illegible]

[illegible]

[illegible]

“[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]”[illegible]ID”[illegible]

[illegible]

”Ruan YiFeng ”

[illegible]”[illegible]”[illegible]Ruan YiFeng[illegible]”[illegible]”[illegible]yifeng.ruan@gmail.com[illegible]”[illegible]ID”[illegible]”Ruan YiFeng ”[illegible]

[illegible](N)[illegible](C)[illegible](E)[illegible](O)/[illegible](Q)[illegible]

[illegible]O[illegible]”[illegible]”[illegible]

gpg: EDDD6D76

”EDDD6D76””ID”Hash”ID”

””

gpg —gen-revoke [ID]

”ID”Hash

**4.1 **

list-keys

gpg —list-keys

 /home/ruanyf/.gnupg/pubring.gpg
———————————————————- pub

4096R/EDDD6D76 2013-07-11 | uid Ruan YiFeng |
 sub 4096R/3FA69BE4 2013-07-11

□□□□□□□□□□pubring.gpg□□□□□□□□□□□4096□□Hash□□□□□□□□□□□□□□□”□□ID”□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□delete-key□□□

gpg —delete-key [□□ID]

4.2 □□□□

□□□□□.gnupg/pubring.gpg□□□□□□□□□armor□□□□□□□□ASCII□□□□

gpg —armor —output public-key.txt —export [□□ID]

“□□ID”□□□□□□□□□output□□□□□□□□□public-key.txt□□

□□□□export-secret-keys□□□□□□□□

gpg —armor —output private-key.txt —export-secret-keys

4.3 □□□□

□□□□□□□□□□□□□□□□□□□□send-keys□□□□□□□□□□□□□

gpg —send-keys [□□ID] —keyserver hkp://subkeys.pgp.net

□□□□□□□□□□□□□□□□□□subkeys.pgp.net□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□fingerprint□□□□□□□□

gpg —fingerprint [□□ID]

4.4 □□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□import□□□

gpg —import [□□□□]

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

gpg —keyserver hkp://subkeys.pgp.net —search-keys [□
□ID]

□□□

□□□□□□□

5.1 □□

□□□□□□□□□demo.txt□□□□□□□□□

encrypt□□□□□□□

gpg —recipient [□□ID] —output demo.en.txt —encrypt
demo.txt

recipient□□□□□□□□□□□output□□□□□□□□□□□□encrypt□□□□□□□□
□□□□□□□□□demo.en.txt□□□□□□□□□□□□□□□□□□

5.2 □□

□□□□□□□□□□□□□□□□□□□□□

gpg —decrypt demo.en.txt —output demo.de.txt

decrypt□□□□□□□□□□□□output□□□□□□□□□□□□□□□□□□□□□
demo.de.txt□□□□□□□□□

GPG□□□□decrypt□□□

gpg demo.en.txt

[illegible]

[illegible]

6.1 [illegible]

[illegible]sign[illegible]

```
gpg —sign demo.txt
```

[illegible]demo.txt.gpg[illegible]ASCII[illegible]clearsign[illegible]

```
gpg —clearsign demo.txt
```

[illegible] [illegible]demo.txt.asc[illegible]asc[illegible]ASCII[illegible]

[illegible]detach-sign[illegible]

```
gpg —detach-sign demo.txt
```

[illegible]demo.txt.sig[illegible]ASCII[illegible]armor[illegible]

```
gpg —armor —detach-sign demo.txt
```

6.2 [illegible]+[illegible]

[illegible]

```
gpg —local-user [illegible]ID] —recipient [illegible]ID] —armor —sign —encrypt demo.txt
```

local-user[illegible]recipient[illegible]armor[illegible]ASCII[illegible]sign[illegible]encrypt[illegible]

6.3 [illegible]

[illegible]verify[illegible]

gpg —verify demo.txt.asc demo.txt

[illegible]openvpn[illegible]gpg[illegible]

[illegible]

1. Paul Heinlein, GPG Quick Start

2. Ubuntu help[illegible]GnuPrivacyGuardHowto

3. KNL, GnuPG Tutorial
4. Alan Eliasen. GPG Tutorial

5. GnuPG [illegible] HOWTO ([illegible])

6. The GNU Privacy Handbook

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2013/07/gpg.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

HTML Email

ruanyifeng.com

”　”

Newsletter　JavaScript Weekly

Email

HTML Email　Outlook　Gmail　HTML

HTML Email　15

1. Doctype

Doctype　XHTML 1.0 Strict　Gmail　Hotmail　Doctype　Doctype

Doctype　HTML5

2.

layout　table

Hello!

□□□ border □□□□1, □□□□□□□□□□□□□□□□□□□□□□□□0□

□□□□□□□□□□□□□□□□□□□□□□table□□□□□600□□□□□□□□□□□□□□□□

Row 1

Row 2

Row 3

□□□□□□□□□□□□□□□□row□□

3. □□

□□□

□□□□□□□□□□□□□□□□□□□□□□

```
img {outline:none; text-decoration:none; -ms-interpolation-mode: bicubic;}

a img {border:none;}
```

Gmail

4.

CSS CSS

CSS

style=”font: 8px/14px Arial, sans-serif;”

5. W3C

W3C 1, 2, 3

HTML Email MIME

Content-Type: text/plain;

Content-Type: Multipart/Alternative;

MailChimp Campaign Monitor

6.

HTML Email Boilerplate Emailology

7.

- Sean Powell□`_Say Hello to the HTML Email

Boilerplate <http://hub.tutsplus.com/tutorials/say-hello-to-the-html-email-boilerplate–webdesign-5143>`__ | - Nicole Merlin□Build an HTML Email Template From Scratch |

- Nicole Merlin□ What You Should Know About HTML Email

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2013/06/html_email.html
□□: □□□

□□: □□□ http://www.me115.com

HTML[illegible]Emmet[illegible]Haml

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HTML[illegible]

[illegible] [illegible] [illegible]——[illegible]

[illegible]Emmet[illegible]Haml[illegible]

[illegible]Haml[illegible]Ruby[illegible]Ruby/Rails[illegible]Haml[illegible]Emmet[illegible]

[illegible]Emmet[illegible]

Emmet[illegible]vim[illegible]vim[illegible]

[illegible]vim[illegible]

```
html:5
```

[illegible]”,”[illegible]ctrl[illegible]+y[illegible]

[illegible]Emmet[illegible]”,”[illegible]HTML[illegible]

Emmet[illegible]CSS[illegible]E[illegible]HTML[illegible]

```
1. E [illegible]HTML[illegible]
2. E#id [illegible]id[illegible]
3. E.class [illegible]class[illegible]
4. E[attr=foo] [illegible]
5. E{foo} [illegible]foo[illegible]
6. E>N [illegible]N[illegible]E[illegible]
7. E+N [illegible]N[illegible]E[illegible]
8. E^N [illegible]N[illegible]E[illegible]
```

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```
p

p#main.item

a[href=http://wikipedia.org]{□□□□}

div>p

div+p

p>span^div
```

□□□HTML□□□□

```
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```

Emmet□□□□□□□E*N□□□□□□□E$*N□□□□

```
li*3>a

div#item$.class$$*3
```

□□□HTML□□□

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```
header+main+footer

table>(thead>tr>th*5)(tbody>tr>td*5)

nav>ul>(li>a[href=#]{Link})*5
```

Emmet□□□□”/”□□□□□□□□□HTML□□□□□□□□□□□□□□□

* Zeno Rocha, [Goodbye, Zen Coding. Hello, Emmet!]

* Sergey Chikuyonok, [Zen Coding: A Speedy Way To Write HTML/CSS Code]

* Joshua Johnson, [7 Awesome Emmet HTML Time-Saving Tips]

* [Zen-coding vim tutorial]

□□**Haml**□□□

Haml□□□emmet□□□□□□□□□□□□□□[□□Ruby□□]□□□□Haml□

```
gem install haml
```

□□□□□□□□□haml□□□□□□□html□□□

```
haml input.haml output.html
```

haml□□□□□□□□

```
1. !!! 5 □□
2. %E □□HTML□□□
3. %E#id □□id□□□
4. %E.class □□class□□□
5. %E(attr="xxx") □□□□□□□□□□
6. %E XXX □□□□□□□□□□
7. %E %N □□N□E□□□□□N□□□□□□□□□□□□□
```

□□□Haml□□□□□□□□□□□□□□□□□□□□

```
!!! 5
%html{lang: 'en'}
   %head
      %title Haml Demo
   %body
      %h1 Hello World
      %a(href="http://wikipedia.org" title="Wikipedia") □□
□□
```

□□□HTML□□□□

```
Haml Demo
```

```
Hello World
□□□□
```

□Haml□□”/ “□□□□□□HTML□□□”-# “□□□□□□Haml□□□ □□□□□□□□□
□□□□

   * Nick Walsh, [Craft cleaner, more concise HTML with Haml]

   * Ian Oxley, [An Introduction to Haml]

   * [Haml Reference]

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Note

□□□□: http://www.ruanyifeng.com/blog/2013/06/emmet_and_haml.html □□: □□□

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□Secure Boot□□□□□□□□ Windows 8□□□□□Linux

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UEFI[illegible]

Windows[illegible]UEFI[illegible]

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[illegible]Secure Boot

Secure Boot[illegible]UEFI[illegible]

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[illegible]Windows 8[illegible]OEM[illegible]Secure Boot[illegible]Windows 8[illegible]Windows[illegible]Secure Boot[illegible]Windows 8[illegible]

[illegible]Secure Root[illegible]Windows 8[illegible]

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Note

□□□□: http://www.ruanyifeng.com/blog/2013/01/secure_boot.html
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ruanyifeng.com

1.

Kyle Rush[illegible]

2011[illegible]6[illegible]BarackObama.com[illegible]2012[illegible]

[illegible]2011[illegible]6[illegible]

[illegible]

[illegible]6.9[illegible]4[illegible]10[illegible]

[illegible]10[illegible]Kyle Rush[illegible]

2.

2012[illegible]11[illegible]10[illegible]

[illegible]11[illegible]4.1[illegible]6.9[illegible]BarackObama.com[illegible]2.5[illegible]

[illegible]6[illegible]BarackObama.com[illegible]

* 17,807,917[illegible]81,548,259[illegible]

* 4,276,463[illegible]

* [illegible]24%[illegible]

3.

Kyle Rush BarackObama.com

2012 5

2011 Kyle Rush

2012 5

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4.

Jekyll 100 Amazon 1%

CDN Akamai CDN 50000 20 HTML

API 23% Web API JSON

PHP Amazon EC2

300

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[illegible]4[illegible]1[illegible]60%[illegible]14%[illegible]

[illegible]240[illegible]a/b[illegible]240[illegible]

[illegible]49%[illegible]

[illegible]BarackObama.com[illegible]1101[illegible]

6.

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Kyle Rush[illegible]Github [illegible]a/b[illegible]Optimizely[illegible]CodeKit[illegible]

Kyle Rush[illegible]

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Note

[illegible]: http://www.ruanyifeng.com/blog/2012/12/obama_fundraising_website.html [illegible]: [illegible]

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Compass□□□□

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Sass□□□□□□□□□□Compass□□□□□□□□□□□□□□□□□□□□□□□□Sass□
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```
sudo gem install compass
```

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□□□□□□□□□□□Compass□□□□□□□□□□□myproject□□□□□□□□□□

compass create myproject

□□□□□□□□□□□myproject□□□□

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cd myproject

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stylesheets□□□□□Sass□□□□□□□□□□□□css□□□

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Compass□□□□□□

compass compile

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output-style□□□

compass compile —output-style compressed

Compass□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□—force□□□

compass compile —force

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output_style = :expanded

:expanded□□□□□□□□□□□□□□□□□□□□:nested□:compact□:compressed□□□□□□□□□□□□□□:compressed□□□

output_style = :compressed

□□□□□□□environment□□□:production□□:development□□□□□□□□□□□

environment = :development

output_style = (environment == :production) ? :compressed : :expanded

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compass watch

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* reset * css3 * layout
* typography
* utilities

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```
@import “compass/reset”;
```

□□□@import□□□□□□□□□□□□□□□□□□reset□□□□□□□□□□□□□css reset□□□

□□CSS3□□

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7.1 □□

□□□border-radius□□□□□

```
@import “compass/css3”;

.rounded {
      @include border-radius(5px);
}
```

□□□@include□□□□□□□□□mixin□□□□C□□□□□□5px□□□□□□□□□□□□
□□□□

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```
.rounded {              -moz-border-radius: 5px;

      -webkit-border-radius: 5px;              -o-border-
radius: 5px;              -ms-border-radius: 5px;              -
khtml-border-radius: 5px; |              border-radius: 5px; |
}
```

□□□□□□□□□□□□□□□

```
@include border-corner-radius(top, left, 5px);
```

7.2 □□

□□□opacity□□□□□

```
@import “compass/css3”;

#opacity {
    @include opacity(0.5);
}
```

□□□□□

```
#opacity {            filter:

progid:DXImageTransform.Microsoft.Alpha(Opacity=0.5);
|            opacity: 0.5; |        }
```

opacity□□□0.5□□□□□□50%□

□□□□□□□□

```
@include opacity(0);
```

□□□□□□□

```
@include opacity(1);
```

7.3 □□□□

□□□□□inline-block□□□□□

```
@import “compass/css3”;

#inline-block {
    @include inline-block;
}
```

□□□□□

```
#inline-block {            display: -moz-inline-stack;
```

```
        display: inline-block;         vertical-align:
  middle;         *vertical-align: auto;         zoom: 1; |
        *display: inline; |      }
```

□□layout□□

□□□□□□□□□□

□□□□□□□□footer□□□□□□□□□□□□□□

```
@import “compass/layout”;

#footer {
    @include sticky-footer(54px);
}
```

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```
@import “compass/layout”;

#stretch-full {
    @include stretch;
}
```

□□typography□□

□□□□□□□□□□

□□□□□□□□□□mixin□□

```
link-colors($normal, $hover, $active, $visited, $focus);
```

□□□□□□

```
@import “compass/typography”;

a {
```

```
        @include link-colors(#00c, #0cc, #c0c, #ccc,
#cc0);
    }
```

□□utilities□□

[□□□]□□□□□□□□□□□□□□□

□□□[□□□□]□

```
    import “compass/utilities/”;

    .clearfix {
        @include clearfix;
    }
```

□□□□[□□]□

```
    @import “compass/utilities”;

    table {
        @include table-scaffolding;
    }
```

□□□□□

```
    table th {          text-align: center;
        font-weight: bold;
    }
    table td,      table th {
        padding: 2px;
    }
    table td.numeric,      table th.numeric {
        text-align: right;
    }
```

□□□Helper□□

□□□□□Compass□□□□□□□□□

□□□□□□□□□□□image-width()□image-height()□□□□□□□□□

□□□□inline-image()□□□□□□□data□□□□□□

```
@import “compass”;

.icon { background-image: inline-image(“icon.png”);}
```

□□□□□

```
.icon { background-image:
url(‘data:image/png;base64,iBROR…QmCC’);}
```

□□□mixin□□□□□□□□□□□□@include□□□□□□□□□□

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2012/11/compass.html □□: □□□

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□□□□□□□□□□`**“Google□□□□□ 2.0”
<http://calendar.ruanyifeng.com>`__**□

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- □ □□□□□□□□Google□□□□□https□□□□□

□□□□□□□□□□□bug□□□□

**`http://calendar.ruanyifeng.com
<http://calendar.ruanyifeng.com>`__**

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2[illegible]Javascipt[illegible]Android[illegible]
Android[illegible]ios[illegible]ipad/iphone[illegible]

[illegible]Google[illegible]

[illegible]Google[illegible]API[illegible]Google[illegible]API[illegible]

[illegible]API[illegible]

1. [illegible]

2. [illegible]

[illegible]……[illegible]30[illegible]

[illegible]Google[illegible]API[illegible]10000[illegible]

[illegible]Google[illegible]
Google[illegible]API[illegible]100[illegible]API[illegible]

[illegible]Google[illegible]

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[illegible]“Google[illegible]”[illegible]

[illegible]

1. [illegible]

2. [illegible]LocalStorage[illegible]

[illegible]Bootstrap[illegible]Foundation[illegible]

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Note

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[illegible]”[illegible]”[illegible]password-less login[illegible]

[illegible]”[illegible]”[illegible]

[illegible]OpenID

OpenID[illegible]

[illegible]URL[illegible]

[illegible]OpenID[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

OpenID[illegible]

[illegible]

OpenID[illegible]

[illegible]OpenID[illegible]

[illegible]
[illegible]Facebook[illegible]Facebook[illegible]

[illegible]Persona

[illegible]Mozilla[illegible]Persona[illegible]

[illegible]OpenID[illegible]Email[illegible]Email[illegible]
[illegible]Email[illegible]

[illegible]
OpenID[illegible]Email[illegible]
[illegible]Persona[illegible]

[illegible]OAuth

OAuth[illegible]”[illegible]”[illegible]

“[illegible]”[illegible]”[illegible]”[illegible]authentication[illegible]OAuth[illegible]
[illegible]”[illegible]”[illegible]authorization[illegible]

[illegible]OAuth[illegible]Openid[illegible]
[illegible]OAuth[illegible]

[illegible]Email[illegible]

[illegible]”[illegible]”[illegible]Ben
Brown[illegible]7[illegible]

[illegible]Email[illegible]

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[illegible]cookie[illegible]cookie[illegible]
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Note

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[illegible]: [illegible] http://www.me115.com

□□diff

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diff□Unix□□□□□□□□□□□□□□

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```
$ diff
```

diff□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□diff□

□□diff□□□□□

□□□□□□□diff□□□□□□

* □□□□□normal diff□
* □□□□□□context diff□
* □□□□□unified diff□

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□□□□□□□f1□□□□□□□□a□□7□□

```
a    a    a    a    a
a
a
```

□□□□□□□f2□□□f1□□□□□4□□□b□□□□□□

a　　a
a
b　　a
a
a

□□□□□□□diff

□□□f1□f2□□□□□

```
$ diff f1 f2
```

□□□diff□□□□□□□□□□□□

```
4c4    < a
—-
> b
```

□□□□□□□□□□□□□□□□□□

```
4c4
```

□□□□□□□□□□□”4”□□□f1□□4□□□□□□□□”c”□□□□□□□□□□□□□change□□□□□□□□”□□”□a□□□addition□□”□□”□d□□□deletion□□□□□”4”□□□□□□□□f2□□4□□

□□□□□□□□□□

```
< a
```

□□□□□□□□□□□f1□□□□□□□□□□□4□□□□□□”a”□□□□□□□□

□□□□□□□f1□f2□

```
—-
```

□□□□□□□□□□□

> b

□□□□□□□□f2□□□□□□□□□”b”□□□□□□□□

□□□Unix□□AT&T□□□Unix□□□□□□□□□□□□diff□

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□□□□80□□□□□□□□□□□□□□□BSD□□□Unix□□□□diff□□□□□□□□□□□□
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□□□□□□□□□c□□□□□context□□

```
$ diff -c f1 f2
```

□□□□□□□

```
    *** f1 2012-08-29 16:45:41.000000000 +0800
—- f2

2012-08-29 16:45:51.000000000 +0800
***************    *** 1,7 ****    a    a    a
    !a    a    a    a    —- 1,7 ——    a a    a
    !b    a |    a |    a
```

□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
    *** f1 2012-08-29 16:45:41.000000000 +0800
    —- f2 2012-08-29 16:45:51.000000000 +0800
```

”***”□□□□□□□□□”—-“□□□□□□□□□

□□□□□15□□□□□□□□□□□□□□□□□□□□□

```
***************
```

□□□□□□□□□□□□□□□□□□f1□

```
*** 1,7 ****    a    a    a    !a    a
 a
 a
```

□□□□□□□□□□□□□□□4□□□□□□□□4□□□□□□□□□□□□□□□□□□□□□□□7□□□□□□□□□□□”***
1,7 ****”□□□□□□□1□□□□□□7□□

□□□!□□□□□□□□□
□□□□□□□□□□□-□□□□□□□□□□□□□□□□□□□□+□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□f2□

```
—- 1,7 ——    a    a    a    !b    a
 a
 a
```

□□□□□□□□□4□□□□□□□□□□□□□□□□□□□□□□□□□7□□

□□□□□□□□□diff

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diff□□□□□”□□□□□”□diff□□f1□f2□□□□□□□□□□□□□□□

□□□□□□□□□□□u□□□□□□unified□□

```
$ diff -u f1 f2
```

□□□□□□□□□

```
—- f1 2012-08-29 16:45:41.000000000 +0800
+++ f2

2012-08-29 16:45:51.000000000 +0800    @@ -1,7
+1,7 @@    a a    a    -a    +b    a |    a |
    a
```

□□□□□□□□□□□□□□□□

    —- f1 2012-08-29 16:45:41.000000000 +0800
    +++ f2 2012-08-29 16:45:51.000000000 +0800

“—-“□□□□□□□□□”+++”□□□□□□□□□

□□□□□□□□□□□□□@□□□□□□□□

    @@ -1,7 +1,7 @@

□□□”-1,7”□□□□□□□□□□□□□□□f1□□”1”□□□1□□”7”□□□□7□□□□□□□□□□□□□□□□1□□□□□7□□□□□”+1,7”□□□□□□□□□□□□□1□□□□□7□□

□□□□□□□□□□□

    a a a -a +b a
    a
    a

□□□□□□□□□□□□□□□□□3□□□□□□□□□□□□□□□□□□□□□”□□□□”□□

□□git□□□diff

□□□□□git□□□□□□□□diff□□□□

    $ git diff

□□□□□□□

    diff —git a/f1 b/f1 index
    6f8a38c..449b072 100644 —-

    a/f1 +++ b/f1 @@ -1,7 +1,7 @@ a a
    a -a +b a | a | a

□□□□□□□□git□□□diff□

diff —git a/f1 b/f1

□□□□□□□a□□□f1□□□□□□□b□□□f1□□□□□□□

□□□□□□□□□□git□□□□index□□□6f8a38c□□□□□□□□□□□449b072□□□□□□□□□□□□□□□□□□□□□□□□□□□644□□□□

index 6f8a38c..449b072 100644

□□□□□□□□□□□□□□□

—- a/f1
+++ b/f1

“—-“□□□□□□□□□”+++”□□□□□□□□□

□□□□□□□□□□□□□diff□□□

@@ -1,7 +1,7 @@ a a a -a +b
a
a
a

□□□□□□

* diff - Wikipedia

* How to read a patch or diff

* How to work with diff representation in git

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Note

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http://www.ruanyifeng.com/blog/2012/08/how_to_read_diff.html □□: □□□

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[illegible]github[illegible]blog[illegible]github[illegible]——[illegible]commit[illegible]github[illegible]

[illegible]github[illegible]Blog[illegible]github[illegible]Pages[illegible]Jekyll[illegible]

[illegible]Github Pages [illegible]

[illegible]github[illegible]Facebook[illegible]

[illegible]

[illegible]github[illegible]Pages[illegible]**github Pages**[illegible]**github**[illegible]

github[illegible][illegible][illegible]Jekyll[illegible]

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`Jekyll <http://jekyllrb.com/>`__[illegible]/'dʒiːk əl/[illegible]"[illegible]"[illegible]

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[illegible]**Jekyll**[illegible]**github**[illegible] **github**[illegible]

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* [illegible]git[illegible]

* [illegible]github[illegible]

[illegible]

* [illegible]git[illegible]

* [illegible]

* [illegible]

[illegible]Blog[illegible]

[illegible]

[illegible]github[illegible]blog[illegible]blog[illegible]

[illegible]git[illegible]github[illegible]

[illegible]

[illegible]jekyll_demo[illegible]

```
$ mkdir jekyll_demo
```

[illegible]git[illegible]

```
$ cd jekyll_demo

$ git init
```

[illegible]gh-pages[illegible]github[illegible]

```
$ git checkout —orphan gh-pages
```

[illegible]

[illegible]

[illegible]_config.yml[illegible]jekyll[illegible][illegible]

```
baseurl: /jekyll_demo
```

[illegible]

```
/jekyll_demo
       |—   _config.yml
```

[illegible]

[illegible]_layouts[illegible]

```
$ mkdir _layouts
```

[illegible]default.html[illegible]Blog[illegible]

{{ content }}

Jekyll□□Liquid□□□□□{{ page.title }}□□□□□□□{{ content }}□□
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```
/jekyll_demo          |—   _config.yml
    |—   _layouts
    |        |—   default.html
```

□□□□□□□□□

□□□□□□□□□□□□_posts□□□□□□□blog□□□

```
$ mkdir _posts
```

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```
—-       layout: default
title: □□□□□
—-
```

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{{ page.date | date_to_string }}

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□yaml□□□□□□□□□□□□□□□□□□□□□□□□□□□□□{{ page.title }}□□□□□□□□□”□□□□□”□{{ page.date }}□□□□□□□□□□□□□□□□□□□□□□□□□□date□□□□”| date_to_string”□□□page.date□□□□□□□□□□□□□□□

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/jekyll_demo |— _config.yml |— _layouts

| |— default.html | |— _posts | | |— 2012-08-25-hello-world.html

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□□□□□□□□□□index.html□□□□□□□□□□□

—- layout: default
title: □□Blog
—-

□□□□

- {{ post.date | date_to_string }} [{{ post.title }}]()

□□Yaml□□□□□□□□□□□default□□□□□□”□□Blog”□□□□□□□□□{% for post in site.posts %}□□□□□□□□□□□□□□□□□□□□□□□Liquid□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□{{site.baseurl}}□□_config.yml□□□□baseurl□□□□

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/jekyll_demo |— _config.yml |— _layouts

| |— default.html |— _posts | | |— 2012-08-25-hello-world.html |

|— index.html

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□□□□□□□□Blog□□□□□□□□□□□□□□□□□git□□

```
$ git add .

$ git commit -m “first post”
```

□□□□□github□□□□□□□□□□□□□□jekyll_demo□□□□□□□□□□□□□□□github□□□□□□□□□□□□□□□□□username□□□□□□□username□

```
$ git remote add origin https://github.com/username/jekyll_demo.git

$ git push origin gh-pages
```

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□□□□□□**http://username.github.com/jekyll_demo/**□□□□□□□□□□□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2012/08/blogging_with_jekyll.html □□: □□□

□□: □□□ http://www.me115.com

Git[illegible]

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[illegible]"[illegible]"[illegible]Version Control System[illegible]

[illegible]"[illegible]"[illegible]Git[illegible]

[illegible]Git[illegible]branch[illegible]merge[illegible]Git[illegible]"[illegible]"[illegible]

[illegible]

Vincent Driessen[illegible]Git[illegible]Git[illegible]

[illegible]Master

[illegible]

Git[illegible]Master[illegible]

[illegible]Develop

[illegible]Develop[illegible]

[illegible]nightly[illegible]Master[illegible]Develop[illegible]"[illegible]"[illegible]merge[illegible]

Git[illegible]Develop[illegible]

```
git checkout -b develop master
```

□Develop□□□□□Master□□□□□□

```
# □□□Master□□
git checkout master
# □Develop□□□□□□
git merge —no-ff develop
```

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□□—no-ff□□□□□□□□□□□□□Master□□□Benjamin Sandofsky□[□Understanding the Git Workflow□]□

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□□□□□□□□□□□□feature-*□□□□□□

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```
git checkout -b feature-x develop
```

□□□□□□□□□□□□□□develop□□□

```
git checkout develop
```

```
git merge —no-ff feature-x
```

□□feature□□□

```
git branch -d feature-x
```

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□□□□□□□□□□□release-*□□□□

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```
git checkout -b release-1.2 develop
```

□□□□□□□□□□□master□□□

```
git checkout master
```

```
git merge —no-ff release-1.2
```

```
# □□□□□□□□□□□□□□□
git tag -a 1.2
```

□□□□develop□□□

git checkout develop

git merge —no-ff release-1.2

□□□□□□□□□□□

git branch -d release-1.2

□□□□bug□□

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git checkout -b fixbug-0.1 master

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git checkout master

git merge —no-ff fixbug-0.1

git tag -a 0.1.1

□□□□develop□□□

git checkout develop

git merge —no-ff fixbug-0.1

□□□□□”□□bug□□”□

git branch -d fixbug-0.1

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Note

□□□□: http://www.ruanyifeng.com/blog/2012/07/git.html □□: □□□

□□: □□□ http://www.me115.com

Sass□□□□

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□□CSS□□□□□□□□□□□□□□□□

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preprocessor□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
CSS□□□

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SASS□□□□

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□□□□□SASS□□

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2.1 □□

SASS□Ruby□□□□□□□□□□□□□□□□□□□Ruby□□□□□□□□□□□□□
Ruby□□□□□□SASS□

[illegible]Ruby[illegible]

    gem install sass

[illegible]

2.2 [illegible]

SASS[illegible]CSS[illegible].scss[illegible]Sassy CSS[illegible]

[illegible].scss[illegible]css[illegible]test[illegible]

    sass test.scss

[illegible].css[illegible]

    sass test.scss test.css

SASS[illegible][[illegible]][illegible]

    * nested[illegible]css[illegible]

    * expanded[illegible]css[illegible]

    * compact[illegible]css[illegible]

    * compressed[illegible]css[illegible]

[illegible]

    sass —style compressed test.sass test.css

[illegible]SASS[illegible]

    // watch a file

    sass —watch input.scss:output.css

```
// watch a directory

sass —watch app/sass:public/stylesheets
```

SASS□□□□□□□□□□□[□□□□□]□□□□□□□□□□□□□□□□□□□

□□□□□□

3.1 □□

SASS□□□□□□□□□□□□$□□□

```
$blue : #1875e7;

div {
   color : $blue;
}
```

□□□□□□□□□□□□□□□□□□□□□□#{}□□□

```
$side : left;

.rounded {
      border-#{$side}-radius: 5px;
}
```

3.2 □□□□

SASS□□□□□□□□□□□

```
body {              margin: (14px/2);              top: 50px
+ 100px;
      right: $var * 10%;
}
```

3.3 □□

SASS□□□□□□□□□□□□□□CSS□□□

```
div h1 {
      color : red;
}
```

[illegible]

```
div {              hi {                    color:red;
      }
}
```

[illegible]border-color[illegible]

```
p {             border: {                    color: red;
      }
}
```

[illegible]border[illegible]

[illegible]$[illegible]a:hover[illegible]

```
a {
      &:hover { color: #ffb3ff; }
}
```

3.4 [illegible]

SASS[illegible]

[illegible]CSS[illegible] /* comment */ [illegible]

[illegible] // comment[illegible]SASS[illegible]

[illegible]/*[illegible]”[illegible]”[illegible]

```
/*!
      [illegible]
*/
```

[illegible]

4.1 [illegible]

SASS[illegible]class1[illegible]

```
.class1 {
      border: 1px solid #ddd;
}
```

class2[illegible]class1[illegible]@extend[illegible]

```
.class2 {             @extend .class1;
      font-size:120%;
}
```

4.2 Mixin

Mixin[illegible]C[illegible]macro[illegible]

[illegible]@mixin[illegible]

```
@mixin left {             float: left;
      margin-left: 10px;
}
```

[illegible]@include[illegible]mixin[illegible]

```
div {
      @include left;
}
```

mixin[illegible]

```
@mixin left($value: 10px) {             float: left;
      margin-right: $value;
}
```

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```
div {
    @include left(20px);
}
```

□□□□□mixin□□□□□□□□□□□□□□□

```
@mixin rounded($vert, $horz, $radius: 10px) {

    border-#{$vert}-#{$horz}-radius: $radius;
    -moz-border-radius-#{$vert}#{$horz}: $radius;
|              -webkit-border-#{$vert}-#{$horz}-radius:
$radius; |       }
```

□□□□□□□□□□□□□□□□□

```
#navbar li { @include rounded(top, left); }

#footer { @include rounded(top, left, 5px); }
```

4.3 □□□□

SASS□□□□□□□□□□□□□□□□□□□□□□□□

```
lighten(#cc3, 10%) // #d6d65c       darken(#cc3,
10%) // #a3a329
grayscale(#cc3) // #808080
complement(#cc3) // #33c
```

4.4 □□□□

@import□□□□□□□□□□□□□

```
@import “path/filename.scss”;
```

□□□□□□.css□□□□□□□css□import□□□

```
@import “foo.css”;
```

□□□□□

5.1 □□□□

@if□□□□□□□

```
p {
p {
    @if 1 + 1 == 2 { border: 1px solid; }
    @if 5       }
```

□□□□□@else□□□

```
@if lightness($color) > 30% {              background-
color: #000;

} @else { |              background-color: #fff; |       }
```

5.2 □□□□

SASS□□for□□□

```
@for $i from 1 to 10 {              .border-#{$i} {

        border: #{$i}px solid blue; |              } |
}
```

□□□while□□□

```
$i: 6;

@while $i > 0 {              .item-#{$i} { width: 2em *
$i; }
    $i: $i - 2;
}
```

each□□□□□□for□□□

```
@each $member in a, b, c, d {                .#
{$member} {

                    background-image: url(“/image/#
{$member}.jpg”); |                } |        }
```

5.3 □□□□□

SASS□□□□□□□□□□□□

```
@function double($n) {
      @return $n * 2;
}
#sidebar {
      width: double(5px);
}
```

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2012/06/sass.html □□: □□□

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[illegible]viewport[illegible]

viewport[illegible]
[illegible]width=device-width[illegible]initial-scale=1[illegible]1.0[illegible]
[illegible]100%[illegible]

[illegible]IE9[illegible]IE6[illegible]7[illegible]8[illegible]css3-mediaqueries.js[illegible]

[illegible]

[illegible]

[illegible]CSS[illegible]

```
width:xxx px;
```

[illegible]

```
width: xx%;
```

[illegible]

```
width:auto;
```

[illegible]

[illegible]px[illegible]em[illegible]

```
body {
      font: normal 100% Helvetica, Arial, sans-serif;
}
```

□□□□□□□□□□□□□□□□□□□□100%□□16□□□

```
h1 {
      font-size: 1.5em;
}
```

□□□h1□□□□□□□□□1.5□□□24□□□24/16=1.5□□

```
small {
      font-size: 0.875em;
}
```

small□□□□□□□□□□□0.875□□□14□□□14/16=0.875□□

□□□□□□□fluid grid□

“□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□

```
.main {              float: right;
      width: 70%;
}
.leftBar {              float: left;
      width: 25%;
}
```

float□□□
overflow□□□□□□□□□□□□□□□□□

□□□□□□□□position: absolute□□□□□□□□□□□□

□□□□□□CSS

“□□□□□□□□”□□□□□□CSS3□□□Media Query□□□

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```
                    media=”screen and (max-device-width:
   400px)”
             href=”tinyScreen.css” />
```

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tinyScreen.css□□□

```
                    media=”screen and (min-width: 400px) and

   (max-device-width: 600px)” |
   href=”smallScreen.css” />
```

□□□□□□□400□□□600□□□□□□□□smallScreen.css□□□

□□□html□□□□CSS□□□□□□□□□CSS□□□□□□

```
        @import url(“tinyScreen.css”) screen and (max-
   device-width: 400px);
```

□□CSS□@media□□

□□□CSS□□□□□□□□□□□□□□□□□□□□□□□□□CSS□□□

```
        @media screen and (max-device-width: 400px) {

              .column {                  float: none;
                    width:auto;
              }
              #sidebar {
                    display:none;
              }

        }
```

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□□□width:auto□□sidebar□□□□□display:none□□

□□□□□□□□□fluid image□

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□□□□□CSS□□□

```
img { max-width: 100%;}
```

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```
img, object { max-width: 100%;}
```

□□□□IE□□□max-width□□□□□□□□

```
img { width: 100%; }
```

□□□windows□□□□□□□□□□□□□□□□□□□□□□□□□□□□IE□□□□□□

```
img { -ms-interpolation-mode: bicubic; }
```

□□□Ethan Marcotte□imgSizer.js□

```
addLoadEvent(function() {

    var imgs = document.getElementById("content").getElementsByTagName("img");

    imgSizer.collate(imgs);

});
```

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Note

□□□□: http://www.ruanyifeng.com/blog/2012/05/responsive_web_design.html □□: □□□

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Twitter□□□□□□□□□□□□

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□□□□□□`Twitter Tools <http://wordpress.org/extend/plugins/twitter-tools/>`__□□□

□□[Doug Bowman]□[□]□□□□□Wordpress□□□Twitter□□□□□□□□□□□[□ □□□]□

□□□□□□`wp-sns-share <http://wordpress.org/extend/plugins/wp-sns-share/>`__□□□

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if(!isset($_POST[‘WPSNSShare_widget_sync’])) return;

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□□□□□□`**untco <http://wordpress.org/extend/plugins/untco/>`__**□□□

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Note

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□□: □□□ http://www.me115.com

□□Apache□□□Bash□□

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> 203.218.148.99 - - [01/Feb/2011:00:02:09 +0800] “GET /blog/2009/11/an_autobiography_of_yang_xianyi.html HTTP/1.1” 200 84058 “http://www.ruanyifeng.com/blog/2009/11/freenomics.html” “Mozilla/5.0 (Windows; U; Windows NT 5.1; zh-TW; rv:1.9.2.13) Gecko/20101203 Firefox/3.6.13”

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www-01.log□www-02.log□……www-31.log□□□□□□31□□□

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□2011□1□1□□□□□□□□□□□2011-01□□□□□□□www-01.log□□□□10
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203.218.148.99 - - [01/Feb/2011:00:02:09 +0800] “GET /blog/2009/11/an_autobiography_of_yang_xianyi.html HTTP/1.1” 200 84058 “http://www.ruanyifeng.com/blog/2009/11/freenomics.html” “Mozilla/5.0 (Windows; U; Windows NT 5.1; zh-TW; rv:1.9.2.13) Gecko/20101203 Firefox/3.6.13”

[illegible]

awk ‘$9 == 200 {print $7}’ www-01.log | grep -i ‘^/blog/2011/.*.html$’ | sort | uniq -c | sed ‘s/^ *//g’ > www-01.log.result

[illegible]5[illegible]

[illegible]1[illegible] awk ‘$9 == 200 {print $7}’ www-01.log

awk[illegible]7[illegible]http[illegible]{print $7}[illegible]7[illegible]

/blog/2009/11/an_autobiography_of_yang_xianyi.html

[illegible]200[illegible]”$9 [illegible]200[illegible]”$9 == 200”[illegible]9[illegible]200[illegible]7[illegible]

[illegible]

[illegible]2[illegible]grep -i ‘^/blog/2011/.*.html$’

[illegible]7[illegible]”/blog/2011/”[illegible]”.html”[illegible]”^/blog/2011/.*.html$”[illegible]i[illegible]

[illegible]3[illegible]sort

sort

uniq

4 uniq -c

uniq c

32

```
/blog/2011/01/guidelines_for_english_translations_in_pu
blic_places.html |        32
/blog/2011/01/api_for_google_s_url_shortener.html |
30 /blog/2011/01/brief_history_of_arm.html
```

1 1 32 32 30

5 sed ‘s/^ */ /g’ > www-01.log.result

uniq 32 32 30

sed ’s/^ */ /g’

^ *

www-01.result

1 31 31

31

6

```
for i in www-*.log.result        do
      cat $i » log.result
done
```

www-01.log.result log.result

```
sort -k2 log.result | uniq -f1 —all-repeated=separate
|./log.awk |sort -rn > final.log.result
```

□□□□□3□□□□1□awk□□□□□

□7□sort -k2 log.result

□□□31□□□□□□□log.result□□□□□□□□□□□□□□□sort□□□□□□□□□□□□□
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□8□uniq -f1 —all-repeated=separate

uniq□□□□□□□□□□□□□□f1□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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617
/blog/2011/01/guidelines_for_english_translations_in_public_places.html |        455
/blog/2011/01/guidelines_for_english_translations_in_public_places.html

223
/blog/2011/01/2010_my_blogging_summary.html
253
/blog/2011/01/2010_my_blogging_summary.html
```

□□□31
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□9□log.awk□□

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awk□□□

```
#!/usr/bin/awk -f
```

```
BEGIN {
      RS=”” #□□□□□□□□□□□□□□□□□
}
{           sum=0 #□□□□□□□□□□□□□□□□□0

      for(i=1;i<=NF;i++){ #□□□□□□
  if((i%2)!=0){ #□□□□□□□□□□□□                    sum += $i #
  □□□□□□□□□□□□□□□□                 }            } |           print
  sum,$2 #□□□□□□□□□□□□□□□□□□ |       }
```

□□□□□□□□□log.awk□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□awk□”\n”□□□□□□□□□□□□□RS=””“□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□NF□□□□awk□□□

□10□sort -rn > final.log.result

□awk□□□□□□□□□□□□□□sort□□□□□□□□□□□□□□r□□□□□□□□□□□□□□□□n□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□10□□2□□□□□□□□□□□□□□final.log.result□□□□□□□□□□□□

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```
#!/bin/bash

if ls ./*.result &> /dev/null

  #□□□□□□□□□□□□□□□□□result□□□□□□       then |           rm
  *.result #□□□□□□□□□□□□□□□ |       fi

touch log.result #□□□□□□□□

for i in www-*.log #□□□□□□□□□□□log□□       do
```

echo $i … #[illegible] awk ‘$9
echo $i … #[illegible] awk ‘$9
== 200 {print $7}’ $i|grep -i
‘^/blog/2011/.*.html$’|sort|uniq -c|sed ‘s/^ *//g’ >
$i.result #[illegible] cat $i.result » log.result
#[illegible]log.result[illegible] | echo $i.result finished
#[illegible] | done

echo final.log.result … #[illegible]

sort -k2 log.result | uniq -f1 —all-repeated=separate
|./log.awk |sort -rn > final.log.result #[illegible]
final.log.result

echo final.log.result finished #[illegible]

[illegible][[illegible]][illegible]log.awk[illegible]

[illegible]

[illegible]

[illegible]2011[illegible]5[illegible]

[illegible]\`[illegible]**Google Adsense**[illegible]
<http://www.ruanyifeng.com/blog/2011/05/my_google_adsense_is_disabled.html>\`__

[illegible]Google Adsense[illegible]”[illegible]”

[illegible]\`[illegible]
<http://www.ruanyifeng.com/blog/2011/10/steve_jobs_farewell.html>\`__

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[illegible]`[illegible]Dan[illegible]10000[illegible] <http://www.ruanyifeng.com/blog/2011/04/the_dan_plan.html>`__

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[illegible]`[illegible]——[illegible]•[illegible]Dennis Ritchie[illegible] <http://www.ruanyifeng.com/blog/2011/10/dennis_ritchie.html>`__

13[illegible]•[illegible]Dennis Ritchie[illegible]

[illegible]`[illegible]900[illegible] <http://www.ruanyifeng.com/blog/2011/05/900-month_lifespan.html>`__

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[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2012/01/a_bash_script_of_apache_log_analysis.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

[illegible]c[illegible]

ruanyifeng.com

[illegible]C[illegible]

[illegible]

1. How to Think Like a Computer Scientist: C version

[illegible]C[illegible]

[illegible]C[illegible]

[illegible]http://prof.beuth-hochschule.de/scheffler/lehre/programmieren-in-c/

2. C Primer Plus[illegible]C Programming: A Modern Approach

[illegible]C[illegible]

[illegible]C Primer Plus[illegible]

3. C Programming Language (2nd Edition)

[illegible]C[illegible]

[illegible]C[illegible]

4. [illegible]

[illegible]

[illegible]**C**[illegible]2009[illegible]

[illegible]

[illegible]Linux C[illegible]

[illegible]GFDL[illegible]http://learn.akae.cn[illegible]

[illegible]How To Think Like A Computer Scientist: Learning with C++[illegible]Programming from the Ground Up[illegible]

5. Beginning Linux Programming

[illegible]Amazon[illegible]Linux C[illegible]

[illegible]C[illegible]Linux[illegible]API[illegible]

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Note

[illegible]: http://www.ruanyifeng.com/blog/2011/09/c_programming_language_textbooks.html [illegible]: [illegible]

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[illegible]RESTful[illegible]

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[illegible]”[illegible]”[illegible]/[illegible]high latency[illegible]

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RESTful[illegible]

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REST[illegible][Roy Thomas Fielding][illegible]2000[illegible][[illegible]][illegible]

Fielding[illegible]HTTP[illegible]1.0[illegible]1.1[illegible]Apache[illegible]Apache[illegible]

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> “[illegible]——[illegible]——[illegible]”

(This dissertation explores a junction on the frontiers of two research disciplines in computer science: software and networking. Software research has long been concerned with the categorization of software designs and the development of design methodologies, but has rarely been able to objectively evaluate the impact of various design choices on system behavior. Networking research, in contrast, is focused on the details of generic communication behavior between systems and improving the performance of particular communication techniques, often ignoring the fact that changing the interaction style of an application can have more impact on performance than the communication protocols used for that interaction. My work is motivated by the desire to understand and evaluate the architectural design of network-based application software through principled use of architectural constraints, thereby obtaining the functional, performance, and social properties desired of an architecture.)

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Fielding□□□□□□□□□□□□□□□□□REST□□Representational State Transfer□□□□□□□□□□□□□□□”□□□□□□□”□

□□□□□□□□REST□□□□□□□RESTful□□□

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□□□□□□□URI□/posts/show/1□□□show□□□□□□URI□□□□□□□□□□□□
□□/posts/1□□□□GET□□□□show□

□□□□□□□HTTP□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1□□□2□□
500□□□□□URI□□

POST /accounts/1/transfer/500/to/2

□□□□□□□□□transfer□□□□transaction□□□□□□□□□□□□□□□□□□□

```
POST /transaction HTTP/1.1       Host: 127.0.0.1

from=1&to=2&amount=500.00
```

□□□□□□□□□□□**URI**□□□□□□□

http://www.example.com/app/1.0/foo

http://www.example.com/app/1.1/foo

http://www.example.com/app/2.0/foo

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□□□□□Accept□□□□□□□□□□Versioning REST Services□□

Accept: vnd.example-com.foo+json; version=1.0

Accept: vnd.example-com.foo+json; version=1.1

```
Accept: vnd.example-com.foo+json; version=2.0
```

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Note

□□□□: http://www.ruanyifeng.com/blog/2011/09/restful.html
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curl[illegible]

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[illegible]curl[illegible]

[illegible]

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curl[illegible]

[illegible] [illegible]

curl[illegible]”[illegible]”[illegible]stdout[illegible]

[illegible]

[illegible]

[illegible]curl[illegible]www.sina.com[illegible]

```
curl www.sina.com
```

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curl -o [□□□] www.sina.com

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curl -L www.sina.com

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-i□□□□□□http response□□□□□□□□□□□□□□

curl -i www.sina.com

HTTP/1.0 301 Moved Permanently Date: Sat, 03 Sep

2011 23:44:10 GMT Server: Apache/2.0.54 (Unix) Location: http://www.sina.com.cn/ Cache-Control: max-age=3600 Expires: Sun, 04 Sep 2011 00:44:10 GMT Vary: Accept-Encoding Content-Length: 231 Content-Type: text/html; charset=iso-8859-1 Age: 3239 | X-Cache: HIT from sh201-9.sina.com.cn | Connection: close

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-I□□□□□□http response□□□□□

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-v□□□□□□□http□□□□□□□□□□□□□http request□□□□

curl -v www.sina.com

* About to connect() to www.sina.com port 80 (#0)
* Trying 61.172.201.195... connected * Connected to www.sina.com (61.172.201.195) port 80 (#0) > GET / HTTP/1.1 > User-Agent: curl/7.21.3 (i686-pc-linux-gnu) libcurl/7.21.3 OpenSSL/0.9.8o zlib/1.2.3.4 libidn/1.18 > Host: www.sina.com > Accept: */* > * HTTP 1.0, assume close after body < HTTP/1.0 301 Moved Permanently < Date: Sun, 04 Sep 2011 00:42:39 GMT < Server: Apache/2.0.54 (Unix) < Location: http://www.sina.com.cn/ < Cache-Control: max-age=3600 < Expires: Sun, 04 Sep 2011 01:42:39 GMT < Vary: Accept-Encoding < Content-Length: 231 < Content-Type: text/html; charset=iso-8859-1 < X-Cache: MISS from sh201-19.sina.com.cn < Connection: close <

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* Closing connection #0

[illegible]

```
curl —trace output.txt www.sina.com
```

[illegible]

```
curl —trace-ascii output.txt www.sina.com
```

[illegible]output.txt[illegible]

[illegible]

[illegible]GET[illegible]POST[illegible]GET[illegible]

```
curl example.com/form.cgi?data=xxx
```

POST[illegible]curl[illegible]—data[illegible]

```
curl —data “data=xxx” example.com/form.cgi
```

[illegible]curl[illegible]—data-urlencode[illegible]

```
curl —data-urlencode “date=April 1”
example.com/form.cgi
```

[illegible]**HTTP**[illegible]

curl[illegible]HTTP[illegible]GET[illegible]-X[illegible]

```
curl -X POST www.example.com
```

```
curl -X DELETE www.example.com
```

[illegible]

[illegible]

[illegible]curl[illegible]

curl —form upload=@localfilename —form press=OK [URL]

□□Referer□□

□□□□□□http request□□□□□□□□□referer□□□□□□□□□□□□□□□□

curl —referer http://www.example.com http://www.example.com

□□User Agent□□

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iPhone4□User Agent□

Mozilla/5.0 (iPhone; U; CPU iPhone OS 4_0 like Mac OS X; en-us) AppleWebKit/532.9 (KHTML, like Gecko) Version/4.0.5 Mobile/8A293 Safari/6531.22.7

curl□□□□□□□

curl —user-agent “[User Agent]” [URL]

□□cookie

□□—cookie□□□□□□curl□□cookie□

curl —cookie “name=xxx” www.example.com

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curl —header “Content-Type:application/json” http://example.com

□□□HTTP□□

□□□□□□HTTP□□□□□curl□□□□—user□□□

curl —user name:password example.com

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* [Using cURL to automate HTTP jobs]
* [□□□□CURL]
* [9 uses for cURL worth knowing]

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Note

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□□——James Lindenbaum□Adam Wiggins□Orion Henry——□
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Salesforce.com□□□□□□□□□2.12□□□□

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platform□□□□□□”□□□□□”□Platform as a Service□□□PaaS□□□□□
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* Heroku (http://www.heroku.com/)
 - Ruby, Node.js, Clojure
* Redhat Openshift

(https://openshift.redhat.com/app/) | - Java, PHP, Ruby, Python,Perl

* Microsoft Azure

(http://www.microsoft.com/windowsazure/) | - .NET, Java, PHP, Ruby

* Dotcloud -

(http://www.dotcloud.com/) | - Java, Perl, PHP, Python, Ruby, Node.js

* DeployFu

(http://www.deployfu.com/) | - node.js, Manos, ASP.NET, Pylons

* Stackato

(http://www.activestate.com/cloud) | - Python, Perl, Node.js, Ruby, Java

* BitNami Cloud

(http://bitnami.org/cloud) | - Perl, PHP, Ruby, Java

* Cloud Foundry

(http://www.cloudfoundry.com/) | - Java, Ruby, Node.js

* Brightbox Cloud

(http://beta.brightbox.com/) | - □□□□□□

* AppFog (http://appfog.com/)
 - Java, Ruby, Node.js, PHP

PHP

* Orchestra (http://orchestra.io/)

* Cloud Control (http://cloudcontrol.com/)

* Relbit (http://relbit.com/)

* PHP Fog (https://www.phpfog.com/)

* Pagoda Box (http://www.pagodabox.com/)

Python

* App Engine (http://code.google.com/appengine/)

* PiCloud (http://www.picloud.com/)

* DjangoZoom (http://djangozoom.com/)

* Nuage (http://www.nuagehq.com/)

* ep.io (http://www.ep.io/)

* AppHosted (https://apphosted.com/)

* Gondor (https://gondor.io/)

* 30loops (http://30loops.net/)

* Stable.io (http://stable.io/)

* Pydra (http://www.pydra.com/)

Ruby

* EngineYard (http://www.engineyard.com/)

* Railscloud (https://www.railscloud.de/)

Java

* App Engine (http://code.google.com/appengine/)

* CloudBees (http://www.cloudbees.com/)

* VMForce (http://www.vmforce.com/)

* Amazon Elastic Beanstalk (http://aws.amazon.com/elasticbeanstalk/)

* CumuLogic (http://www.cumulogic.com/)

* JRapid (http://www.jrapid.com/)

Node.js

* JoyentCloud (https://no.de/)

* Nodester (http://nodester.com/)

* Nodejitsu (http://www.nodejitsu.com/)

* NodeSocket (http://www.nodesocket.com/)

* Cloudnode (http://cloudno.de/)

.NET

* AppHarbor (https://appharbor.com/)

* Moncai (http://moncai.com/)

Perl

* Phenona (http://www.phenona.com/)

Ringo.js

* Erbix (http://www.erbix.com/)

Javascript

* Akshell (http://www.akshell.com/)

P.S.

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Note

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http://www.ruanyifeng.com/blog/2011/08/list_of_cloud_platforms.html □□: □□□

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Java

ruanyifeng.com

Jon Scott Stevens

Java

Java Java

Java JVM
Google App Engine Java Java

Java

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1. Google App Engine Google

2. Objectify-AppEngine GAE

3. GitHub

Java

4. Eclipse Java

5. Lombok Eclipse Java

6. Guice Java dependency injection

7. Apache Commons Java

8. Guava□Google□□□Java□□□□

9. JRebel□□□□□□□Java□□□□□□□□□□□

10. Cambridge Template Engine□□Java□□□□□□html/xml□□□□□

11. RestEasy□java□□□RESTful□□□□□

12. HtmlEasy□□□RestEasy□□□HTML□MVC□□□□□□□

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13. RequireJS□□Javascript□□□□□□□□□□□□□□□□□□

14. JQuery□□□□□□Javascript□□□□□

15. CoffeeScript□□Javascript□□□□□□□□□□□□□□□□□□□□

16. Sass Scss□CSS□□□□□□□

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Note

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[illegible]

[illegible]——GPL、BSD、MIT、Mozilla、Apache、LGPL——[illegible]

[illegible]Paul Bagwell[illegible]

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Note

[illegible]: http://www.ruanyifeng.com/blog/2011/05/how_to_choose_free_software_licenses.html [illegible]: [illegible]

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http://www.example.com/index.html#print

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http://www.example.com/index.html#print

[illegible]

GET **/index.html** HTTP/1.1

Host: www.example.com

[illegible]index.html[illegible]”#print”[illegible]

[illegible]#[illegible]

[illegible]#[illegible]

[illegible]URL[illegible]

http://www.example.com/?color=#fff

[illegible]

GET **/?color=** HTTP/1.1

Host: www.example.com

[illegible]”#fff”[illegible]#[illegible]%23[illegible]

http://example.com/?color=%23fff

[illegible]#[illegible]

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http://www.example.com/index.html#location1

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http://www.example.com/index.html#location2

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window.location.hash□□

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window.onhashchange = func;

window.addEventListener(“hashchange”, func, false);

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□□□□□□□□□□□Google□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□API□□□□□□□□Chrome□
Firefox□□□□□□□□□□□□□□□□

□□□□API□□□□□□□”**□□□□□□**“□□□□□□□□□□

> **http://www.ruanyifeng.com/webapp/url_shortener.html**

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□□□□□□□□□□□

□□

[illegible]”[illegible]”[illegible]Flash[illegible]

[illegible]Zero Clipboard[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2011/01/api_for_google_s_url_shortener.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

□php□□□□□json

ruanyifeng.com

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□□□□□□□□□□□JSON□□□□□□□□□□□□□□□□□□□□□□□PHP□□□□□□□□□□
□□□□□□□□□□□□□□□API□□□□□□□□□

□5.2□□□□□PHP□□□□json_encode()□json_decode()□□□□□□□□□□
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□□json_encode()

□□□□□□□□□□□□□□□□□json□□□□□□□□□□□□□□□

```
$arr = array ('a'=>1,'b'=>2,'c'=>3,'d'=>4,'e'=>5);

echo json_encode($arr);
```

□□□

```
{"a":1,"b":2,"c":3,"d":4,"e":5}
```

□□□□□□□□□□□□

```
$obj->body           = 'another post';

$obj->id             = 21;

$obj->approved       = true;

$obj->favorite_count = 1;

$obj->status         = NULL;

echo json_encode($obj);
```

□□□

```
{
    "body":"another post",

    "id":21,

    "approved":true,

    "favorite_count":1,

    "status":null
}
```

□□json□□□utf-8□□□□□□□□json_encode()□□□□□□utf-8□□□□□□□□□□□□□null□□□□□□GB2312□□□□□□□□□ISO-8859-1□□□□□□□□□□□□□□□

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PHP□□□□□□□□□□□□□”□”□value□□□□□□□indexed array□□□□□□□□”□□□”□name/value□□□□□□□associative array□□

□□javascript□□□□□□□□□□json_encode()□□□□□□□indexed array□□□□□□□□□□□□□□□associative array□□□□□□□□

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```
$arr = Array('one', 'two', 'three');

echo json_encode($arr);
```

□□□□

```
["one","two","three"]
```

□□□□□□□□□□□

```
$arr = Array('1'=>'one', '2'=>'two', '3'=>'three');

echo json_encode($arr);
```

[illegible]

```
{"1":"one","2":"two","3":"three"}
```

[illegible]”[]”[illegible]”{}”[illegible]

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

```
json_encode( (object)$arr );
```

[illegible]

```
json_encode ( $arr, JSON_FORCE_OBJECT );
```

[illegible]class[illegible]

[illegible]PHP[illegible]

```
class Foo {

   const     ERROR_CODE = '404';

   public    $public_ex = 'this is public';

   private   $private_ex = 'this is private!';

   protected $protected_ex = 'this should be protected';

   public function getErrorCode() {

      return self::ERROR_CODE;

   }

}
```

[illegible]json[illegible]

```
$foo = new Foo;

$foo_json = json_encode($foo);

echo $foo_json;
```

□□□□□

```
{"public_ex":"this is public"}
```

□□□□□□□□□□□□public□□□□□□□□□□□□□□□□□□□□□□□□□

□□json_decode()

□□□□□□json□□□□□□□□PHP□□□□□□□□□□□□□

```
$json = '{"foo": 12345}';

$obj = json_decode($json);

print $obj->{'foo'}; // 12345
```

□□□□□□json_decode()□□□□□□PHP□□□□□□□□□□□□

```
$json = '{"a":1,"b":2,"c":3,"d":4,"e":5}';

var_dump(json_decode($json));
```

□□□□□□□□PHP□□□

```
object(stdClass)#1 (5) {

   ["a"] => int(1)
   ["b"] => int(2)
   ["c"] => int(3)
   ["d"] => int(4)
   ["e"] => int(5)

}
```

□□□□□□□□PHP□□□□□json_decode()□□□□□□□true□

```
$json = '{"a":1,"b":2,"c":3,"d":4,"e":5}';

var_dump(json_decode($json,true));
```

□□□□□□□□□□□□□

```
array(5) {

    ["a"] => int(1)
    ["b"] => int(2)
    ["c"] => int(3)
    ["d"] => int(4)
    ["e"] => int(5)

}
```

□□json_decode()□□□□□

□□□□json□□□□□□□□□□□□□□□□□

```
$bad_json = "{ 'bar': 'baz' }";

$bad_json = '{ bar: "baz" }';

$bad_json = '{ "bar": "baz", }';
```

□□□□□□□□□json_decode()□□□□null□□□□□□

□□□□□□□□json□□□□□delimiter□□□□□□□□□□□□□□□□□□□□□□□□□□
json□□□□”□”□□
□□□□□□trailing

comma□□ | □□□json□□□□□□□□□object□□□□□array□□□□□□□□□□□
□□□□json_decode()□□□□□null□

```
var_dump(json_decode("Hello World")); //null
```

□□□□□□

[1] PHP Manual

[2] Ed Finkler, JSON is Everybody’s Friend

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2011/01/json_in_php.html
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□□: □□□ http://www.me115.com

Php□□□□

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□□□□□《PHP□□□□□》□□□□□□□□□□□□□□□□□PHP□□□□□□□□□□

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* □□□□**View**□□□□□□□

* □□□□**Controller**□□□□□□□□Page Controller□□□□□□□□
□□□□□□□□□□□□□Business Controller□□□□□□□□□

* □□□□**Model**□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□”□□□□□□”□DAO□□□□□”□□□”□Value Object□□□□□□□DAO□
□□□□□□

PHP□□□□

□□□http://www.odi.ch/prog/design/php/guide.php

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□□□□□PHP□□□□□□□□□□□□□□□□□□□□□PHP□□□□□□□□

1. php.ini□□

php.ini□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. short_open_tag

□□0□□□□□PHP□□□□□□□□□□□□□<?= “hello world” ?>□

2. asp_tags

□□0□□□ASP□□<% echo “hello world”; %>□

3. magic_quotes_gpc

□□□□□□□□□□□□□□□□□$_GET□$_POST□$_COOKIE□□□□□□□□
□□□□□□□□□□□□□□□□□□□□stripslashes□□□□□□□□□□PHP
5.3□□□□□

4. register_globals

□□□□□□□□□□□□□□□$_GET□$_POST□$_COOKIE□□□GET□POST
□COOKIE□□□□□□□□□□□□$PHP_SELF =
$_SERVER[‘PHP_SELF’]□

22. file_uploads

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* file_uploads□□□1□□□□□□□□□□□
* memory_limit□□□□post_max_size□
upload_max_filesize□
* post_max_size□upload_max_filesize□□□□□□□□□□
□□

2. □□□□configuration file□

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□□□□□□□□□□□email□□□□□□□debug□logging□□□□□□□□□□

3. □□□□□namespace□

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□□□
dao_factory()□ db_getConnection()□text_parseDate()□□□

4. □□□□□□

PHP□□
□□□□□□□□□□MySQL □□Oracle□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□

5. “□□□”□Value Object, VO□

□□□□VO□□□□□□□□C□□□struct□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□
□ID□□□

```
class Person {

      var $id, $first_name, $last_name, $email;

}
```

6. □□□□□□□Data Access Object, DAO□

□□□□□□□DAO□□□□□□□□□□□□□□□□□□□□□□□DAO□□□□□□□
□stacked□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□DAO□

```
      class PersonDAO {
            var $conn;
            function PersonDAO(&$conn) {
                  $this->conn =& $conn;
            }
            function save(&$vo) {                    if ($v->id ==
0) {
```

```
$this->insert($vo);                    } else {
$this->update($vo); |                  } |
}

function get($id) {                    #execute select
statement

#create new vo and call getFromResult |
#return vo |              }

function delete(&$vo) {                    #execute
delete

statement |                   #set id on vo to 0 |            }

#— private functions

function getFromResult(&vo, $result) {
      #fill vo from the database result set
}
function update(&$vo) {
      #execute update statement here
}
function insert(&$vo) {                    #generate id
(from

Oracle sequence or automatically)                   #insert
record into db                   #set id on vo |             } |
}
```

DAO□□□□□□□□□□□

* save□□□□□□□□□□
* get□□□□□□□
* delete□□□□□□□

□□□□□□□□□□□□DAO□□□□□□□isUsed()□getTop($n)□
find($criteria)□

□□□□□DAO□□□□□□□□□□□□□□□□□□□DAO□□□□□□□□□□
select / insert / update□□□□□□□□□□□□□PersonDAO□□□□□
□□□□Email□□□

□□□□□□□□□□□□□□□□□□□DAO□

```
function dao_getDAO($vo_class) {

        $conn = db_conn('default'); #get a connection from the pool

        switch ($vo_class) {

                case "person": return new PersonDAO($conn);

                case "newsletter": return new NewsletterDAO($conn);

                ...

        }

}
```

7. □□□□□

99%□□□□DAO□□□□□□□□□□schema□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

8. □□□

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□□

```
    class NewsletterLogic {             function
  NewsletterLogic() {
              ...
          }
          function subscribePerson(&$person) {
              ...
          }
          function unsubscribePerson(&$person) {
              ...
          }
          function sendNewsletter(&$newsletter) {
              ...

          } |       }
```

9. □□□□□□□□

□□□□□□□□□□□□□□□page controller□□□□□□□□□□□□□□□□□□□□□□□HTTP□□□□□□□□□□business object□□□□□□□□□□□□□□□□□□□□□”□□□□”□□□□

□□□□□□□□□□□□□□□□□□PageController□□□□□□

1. □□□□□□□□□□□□□cmd□□□
2. □□cmd□□□□□□□□□□□□□
3. □□□□□□□□□□□□□□□□□
4. □□□□□□□□□□□□□
5. □□□□□□□□□□□□□□□□
6. □□□□□□□□□□□□□

□□□□□□□□□□□□□□utility function□□□□GET□POST□□□□□□□□□□□□□□□□□□□□□□□□□□□HTML□□□

```
    class PageController {
          var $person; #$person is used by the HTML
  page
          var $errs;
```

```
function PageController() {                    $action
=

Form::getParameter('cmd'); |                    $this->person
= new Person(); |                    $this->errs = array();

            if ($action == 'save') {
                  $this->parseForm();
                  if (!this->validate()) return;

                  NewsletterLogic::subscribe($this-
>person);

                  header('Location: confirmation.php');

                  exit; |                    } |              }

      function parseForm() {                    $this-
>person->name =

Form::getParameter('name');                    $this->person-
>birthdate =
Util::parseDate(Form::getParameter('birthdate'); |
            … |              }

      function validate() {                    if ($this-
>person->name
      function validate() {                    if ($this-
>person->name

== '') $this->errs['name'] = FORM_MISSING;
            #FORM_MISSING is a constant                    …
            #FORM_MISSING is a constant                    …
            return (sizeof($this->errs) == 0); |              }
|        }
```

10. □□□□Presentation Layer□

[illegible]HTML[illegible]business object[illegible]

[illegible]HTML[illegible]

```
                    $c =& new PageController();
        ?>

   ” method=”POST”>                          person->name); ?
   >”>

   Subscribe
```

11. [illegible]Localization[illegible]

[illegible]

1. [illegible]
2. HTML[illegible]

[illegible]A[illegible]B[illegible]HTML[illegible]

[illegible]
index_fr.php[illegible]index.php[illegible]

[illegible]

1. [illegible]session[illegible]cookie[illegible]
2. [illegible]HTTP[illegible]locale[illegible]
3. [illegible]URL[illegible]

[illegible]A[illegible]C[illegible]session[illegible]cookie[illegible]B[illegible]A[illegible]C
[illegible]

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12. □□□□

□□□□□□□□□□□□□□□□□□□□$_SERVER['DOCUMENT_ROOT']□□
web□□□□□□□□□□□□□□□□□□□□□□□□□□□PHP□□□□□□□

□□□□□□□□□□□$ROOT□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□require_once("$ROOT/lib/base.inc.php");□

13. □□□□

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□□□□□□□□□□□□□□□□

/ □□□□□□□□□□□□□□□□□

/lib/ □□□□□□□base.inc.php□□□□□□□config.inc.php□□

/lib/common/ □□□□□□□□□□□□□□□□□□□□□□□

/lib/model/ □□□□□□□

/lib/dao/ □□□□□□□□□DAO□□□□□DAO□□□□□

/lib/logic/ □□□□□□□□

/parts/ □□HTML□□□□□

/control/ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
admin/, /pub/□□

base.inc.php□□□□□□□□□□□□□□□□□□□

* /lib/common□□□□□□□□□□□□□□□□□

* [illegible]

* /lib/model[illegible]

* /lib/dao[illegible]

[illegible]

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2010/12/php_best_practices.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Css3□□□□

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CSS3□□□□□style sheet□□□□□□□□□□□□□□□□□□□□□□

□□□□□□[Nicholas Zakas]□[□□□□]□□□□□□□□□CSS3□□□□□□□□□□□□□
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CSS3□□□□

□□□Nicholas Zakas

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□□□http://msdn.microsoft.com/en-us/scriptjunkie/gg508841.aspx

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□□CSS3□□□□□

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* □□□□□□□□□□□□□□□□□HTTP□□□□□□□□□□□□□□

* □□
□□□□□□CSS3□□□□□□□□□□

□□border-radius□□

CSS3[illegible]border-radius[illegible]”[illegible]”[illegible]CSS[illegible]em[illegible]ex[illegible]pt[illegible]px[illegible]

[illegible]div[illegible]

[illegible]15px[illegible]

```
border-radius: 15px;
```

[illegible]”[illegible]”[illegible]horizontal radius[illegible]”[illegible]”[illegible]vertical radius[illegible]15px[illegible]

border-radius[illegible]1[illegible]4[illegible]1[illegible]4[illegible]

```
border-radius: 15px 5px;

border-radius: 15px 5px 25px;

border-radius: 15px 5px 25px 0px;
```

[illegible]0[illegible]

border-radius[illegible]1[illegible]4[illegible]

```
border-radius: 15px 5px / 3px;

border-radius: 15px 5px 25px / 3px 5px;

border-radius: 15px 5px 25px 5px / 3px 5px 10px 15px;
```

[illegible]

[illegible]CSS3[illegible]

* border-top-left-radius * border-top-right-radius
* border-bottom-right-radius
* border-bottom-left-radius

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□□□□□□□□□□□□□□□□□□□□

border-top-left-radius: 15px;

border-top-left-radius: 15px 5px;

□□□□□□□

IE 9□Opera 10.5□Safari 5□Chrome 4□Firefox 4□□□□□□□
border-radius□□□□□□□□Safari□Chrome□□□-webkit-border-radius□□□□□□□□Firefox□□-moz-border-radius□□□

□□□□□□□□□□□□□□□□□□□-moz-border-radius□border-radius□□□

-moz-border-radius: 15px;
border-radius: 15px;

□□□□border-radius□□□□□□□□□□□□□□□□□□

□□□□□□□Firefox□□□□□□□□□□□□□□□□□□□

* -moz-border-radius-topleft□□□□□□border-top-left-radius□

* -moz-border-radius-topright□□□□□□border-top-right-radius□ | * -moz-border-radius-bottomleft□□□□□□border-bottom-left-radius□ | * -moz-border-radius-bottomright□□□□□□border-bottom-right-radius□

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□□□□□□□□□□border-radius□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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border-color: black; border-style: solid dashed;

border-width: 1px 2px 3px; | border-top-color: red; | border-radius: 5%;

□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2010/12/detailed_explanation_of_css3_rounded_corners.html □□: □□□

□□: □□□ http://www.me115.com

[illegible]61[illegible]

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[illegible]Stack Overflow[illegible]

[illegible]

[illegible]Stack Overflow[illegible]wiki[illegible]61[illegible]”[illegible]”[illegible]

[illegible]Stack Overflow[illegible]Wikipedia[illegible]400[illegible]

[illegible]61[illegible]

[illegible]62[illegible]……[illegible]

[illegible]61[illegible]

[illegible]http://stackoverflow.com/questions/72394

[illegible]

[illegible]Interface and User Experience[illegible]

1.1

[illegible]Web[illegible]Gecko[illegible]Firefox[illegible]Webkit[illegible]Safari[illegible]Chrome[illegible]IE[illegible]Application Compatibility VPC Images[illegible]Opera[illegible]

1.2

[illegible]MobiForge[illegible]

1.3

[illegible]CVS[illegible]Subversion[illegible]Git[illegible]backup[illegible]

1.4

[illegible]

1.5

[illegible]Email[illegible]

1.6

[illegible]

1.7

[illegible]progressive enhancement[illegible]

1.8

[illegible]POST[illegible]redirect[illegible]

1.9

[illegible]accessibility[illegible]WAI-ARIA[illegible]

[illegible]Security[illegible]

2.1

□□□OWASP□□□□□□□□□□□□□□□□□□□□

2.2

□□SQL□□□SQL injection□□□□□□□□

2.3

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2.4

□□□□□plain-text□□□□□□□□□□hash□□□□□□□

2.5

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2.6

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2.7

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2.8

□□□□□□session□□□session hijacking□□

2.9

□□”□□□□□“□cross site scripting□XSS□□

2.10

□□”□□□□□□“□cross site request forgeries□XSRF□□

2.11

[illegible]

2.12

[illegible]

2.13

[illegible]

2.14

[illegible]Google[illegible][illegible]（Browser Security Handbook）[illegible]

2.15

[illegible][illegible]（The Web Application Hackers Handbook）[illegible]

[illegible]**Performance**[illegible]

3.1

[illegible]caching[illegible]HTTP caching[illegible]HTML5[illegible]

3.2

[illegible]20KB[illegible]

3.3

[illegible]gzip/deflate[illegible]deflate[illegible]

3.4

[illegible]http[illegible]gzip[illegible]

3.5

□□Yahoo□Exceptional Performance□□□□□□□□□□□□□□□□□□□□□□
□□□YSlow□□□Google□page speed□□□□□□□□□□□□□□□□□□□□□□□
□Firebug□

3.6

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□CSS Image Sprite□□□□□□
http□□□□

3.7

□□□□□□□□□□□□□□□□□□□□□□□split components across
domains□□

3.8

□□□□□□□□□□CSS□JavaScript□□□□□cookie□□□□□□□□□□□□□□□□□
□□□cookie□□□□□□□□□□□□□□□□□cookie□□□□□□□□□□□□□□□http□
□□□□□□cookie□□□□□□□□□□□□□□□□”□□□□□□□”□Content Delivery
Network□CDN□□

3.9

□□□□□□□□□□□□□□http□□□□□□□

3.10

□□Google□Closure Compiler□□JavaScript□□□YUI Compressor□
□□

3.11

□□□□□□□□□favicon.ico□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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4.1

□□”□□□□□□□”□URL□□□□□example.com/pages/45-article-title□□
□□example.com/index.php?page=45□

4.2

□□□□”□□□□”□□□□□□□□□□□□□□□□□□□SEO□□□□□□□□”□□□□
□”□screen reader□□□□□□□

4.3

□□□□XML sitemap□□□□□□□□□□□□/sitemap.xml□□□□□□□□□□□□

4.4

□□□□□URL□□□□□□□□□□□□□□□□□`
<http://googlewebmastercentral.blogspot.com/2009/02/specify-your-canonical.html>`__□

4.5

□□Google□Webmaster Tools□Yahoo□Site Explorer□

4.6

□□□□□□□Google Analytics□□□□□□□□□□□□□Piwik□□

4.7

□□robots.txt□□□□□□□□□□□□□□□□□□

4.8

□www.example.com□□□□□□□example.com□□□301 Moved
Permanently□□□□□□□□□□□□□□□□□□□□Google□□□□□□□□□□□□□□
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4.9

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4.10

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□□□□□**Technology**□

5.1

□□HTTP□□□□□□□GET□POST□sessions□cookies□□□□□□□□”□□
□”□stateless□□□□□□□

5.2

□□□□XHTML/HTML□CSS□□W3C□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□quirk□□□□□□□□”□□□□□”□□□□□□□□□□□

5.3

□□□□□□□□□JavaScript□□□

5.4

□□□□□□JavaScript□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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5.5

□□JavaScript□□□Javascript sandbox□□□□□□□□□□□□□□□□□
iframe□

5.6

□□JavaScript□□□□□□□□□□□□□Ajax□□□□□□□□□□□□”□□□□□□
□”□NoScript□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Google□□□□□
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5.7

□□301□□□□302□□□□□□[□□]□□□□□□SEO□□□□□□

5.8

□□□□□□□□□□□□□□deployment platform□□

5.9

□□□□[□□□□□]□Reset Style Sheet□□

5.10

□□□□JavaScript□□□□□[jQuery]□[MooTools]□[Prototype]□□□□□□□□□□
□□□□□□□□□□□

□□□□**bug**

6.1

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6.2

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6.3

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6.4

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6.5

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6.6

[illegible]Subversion[illegible]Git[illegible]

6.7

[illegible]Unit Testing[illegible]Selenium[illegible]

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2010/11/61_things_every_web_developer_should_know.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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[illegible] -[illegible]PPT[illegible]

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[illegible]PPT[illegible]

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[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]”[illegible]”[illegible]

[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2010/10/six_principles_of_layout_design.html [illegible]: [illegible]

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1. □□ #8cc540
2. □□ #009f5d
3. □□ #019fa0
4. □□ #019fde
5. □□ #007cdc
6. □□ #887ddd
7. □□ #cd7bdd
8. □□ #ff5675
9. □□ #ff1244
10. □□ #ff8345
11. □□ #f8bd0b
12. □□ #d1d2d4

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2010/09/12_colors_used_in_web_design.html □□: □□□

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Tripwire Magazine□□□□□□□□□□□□□□□□□□

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1. 2ammedia□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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2. dibiconference□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

3. culinaria□□□□□□□□□□□□□□□□□□□□□□□□

4. alexantuna□□□□□□□□□

5. krojacevaskola□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

6. Josh Hemsley□□□□□□□□□□□□□□□□□□□□□

7. Gil De Los Santos□□□□□□□□□□□□□

8. Mike Condrick□□□□□□□□□□□□□□□□□

9. Aneta Langerova□□□□□□□□□□Blog□□□□□□□□□□□□□□□□□□□

10. Alley Pfannekuchen[illegible]

11. marina yachting[illegible]100%[illegible]

12. the ship and the sea[illegible]CD[illegible]

13. kawa.lviv.ua[illegible]

14. psdchimp[illegible]PSD[illegible]

15. kmirza[illegible]

16. people82[illegible]

17. Jasno i Glasno[illegible]Blog[illegible]

18. joby[illegible]

19. ColouringCode[illegible]Logo[illegible]

20. 690design[illegible]

21. Lucia Soto[illegible]

22. Stone Skipper[illegible]iPhone[illegible]App Store[illegible]

23. Logo Design Monster[illegible]Logo[illegible]

24. Less Cruise[illegible]

25. Paul Ramirez[illegible]

26. shark lab[illegible]

27.Jeannie Web□□□□□□□□□□

28. bam□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

29. Kinetic Shadows□□□□□□□aggressive□□□□□□□

30. Pigeon and Pigeonette□□□□□□□□□□

31. Creative People□□□□□□□□□□□□□□□□□□□□□□□

32. Alex Abramov□□□□□□□□□□□

33. Eric Johansson□□□□□□□□□□□□□□□□□□□□□□□□□□□□

UPDATE 2010.6.26

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Note

□□□□: http://www.ruanyifeng.com/blog/2010/06/illustration_web_design.html □□: □□□

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[illegible][illegible]。

> “……[illegible]
>
> [illegible]277.9[illegible]12[illegible]171[illegible]1—12[illegible]
>
> [illegible]5[illegible]——[illegible]20[illegible]”

[illegible]

[illegible]

[illegible]Art. Lebedev Studio[illegible]

[illegible]

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1. [illegible]
2. [illegible]”[illegible]”[illegible]
3. [illegible]

4.[illegible]

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5. [illegible]

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6. [illegible]

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[illegible]

7. [illegible]

8. [illegible]
9. [illegible]
10. [illegible]2100[illegible]

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2010/06/moscow_metro_map.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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□□□□□□Twitter Tools plugin□□□□□□□□□□

□□□□□□Autolink URI□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□”@”□”#”□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□sem-autolink-uri.php□□□□□□□□□□□

```
$text = autolink_uri::unescape($text);
```

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```
$text =
preg_replace_callback(“/(^|\s)@(\w+)/”,array(‘autolink_
uri’, ‘tweet_callback1’), $text);

$text = preg_replace_callback(“/(^|\s)#
(\w+)/”,array(‘autolink_uri’, ‘tweet_callback2’), $text);
```

□□□□□email_callback()□□□

```
function email_callback($match) { $email =
end($match);
return ‘’ . $email . ‘’;
} # email_callback()
```

□□□□□□□□□□□□

```
function tweet_callback1($match) {
return $match[1].’@`’ . $match[2] .

‘ <”http://twitter.com/’>`__’; | }

function tweet_callback2($match) {
return $match[1].’#`’ . $match[2] .
```

‘ <”http://search.twitter.com/search?q=%23’>`__’; | }

□□□□□□□□□□□□□□□□□□□□□Autolink URI□□□□□□□4KB□□

□□□□□□Doug Bowman□□□□□□39KB□□□□□□□□□□□□□□□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2010/05/my_wp_tweet_archive.html □□: □□□

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□http://rss.sina.com.cn/news/society/focus15.xml□□□□□□□□□

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□□□□zip□□□□□□□□□1.0□□217KB□□

[illegible]PHP 5.2[illegible]cache[illegible]777[illegible]config-sample.php[illegible]config.php[illegible]config[illegible]

[illegible]readability.php[illegible]arc90[illegible]ReadAbility[illegible]1[illegible]p[illegible]2[illegible]3[illegible]

[illegible]Feed[illegible]readability.php[illegible]Feed[illegible]

[illegible]AGPL[illegible]

[illegible]Keyvan Minoukadeh[illegible]200[illegible]2.0[illegible]

P.S.

[illegible]ZenPhoto[illegible]

UPDATE[illegible]2010.6.3[illegible]

Full TEXT RSS 1.5[illegible]283KB[illegible]

UPDATE[illegible]2010.11.10[illegible]

Full TEXT RSS 2.1[illegible]362KB[illegible]

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Note

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http://www.ruanyifeng.com/blog/2010/04/the_solution_of_f

ull_text_feed.html □□: □□□

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    * |image0| tl.gif□□□□□□□□
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    * |image3| br.gif□□□□□□□□
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□□□□□□□□□□div.tl□□□□□□□□□□□□□□□□□□□

```
.tl{            width:300px;            height:50px;

      text-align:center; |            line-height:50px; |
}
```

□□□□□□”□□”□□□□□□□□□□□□□□

```
.tl{background:url(‘tl.gif’) top left no-repeat
#ff8c45;}

.tr{background:url(‘tr.gif’) top right no-repeat;} |
.bl{background:url(‘bl.gif’) bottom left no-repeat;} |
.br{background:url(‘br.gif’) bottom right no-repeat;}
```

□□□□”□□”□□□□□□□□□□

```
p{            padding: 15px 0px 0px 50px;
      background: url(‘angle.gif’) 40px top no-repeat;
}
```

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□□CSS3□□□

□□□□□□□□Nicolas Gallagher□□□□□□

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[illegible]

[illegible]

[illegible]

```
.bubble{            position:relative;
padding:15px;

         margin:1em 0em 3em;          width:300px;
         line-height:1.2;          text-align:center;
         color:#fff; |          background:#075698; |
     }
```

[illegible]

```
.bubble{            -moz-border-radius:10px;

         -webkit-border-radius:10px; |          border-
radius:10px; |      }
```

[illegible]

```
.bubble{            background:-webkit-
gradient(linear, left top,

left bottom, from(#f9d835), to(#f3961c));
background:-moz-linear-gradient(top, #f9d835,
#f3961c);          background:-o-linear-gradient(top,
#f9d835, #f3961c); |          background:linear-
gradient(top, #f9d835, #f3961c); |      }
```

[illegible]0[illegible]

```
.bubble:after {          content:”\00a0”;
width:0;
         height:0;
     }
```

[illegible]0[illegible]

.bubble:after{ display:block;

border-style:solid; border-width:15px; |
border-color:#f3961c transparent transparent transparent; | }

[illegible]

[illegible]absolute[illegible]50[illegible]15[illegible]30[illegible]

.bubble:after{ position:absolute; z-index:-1;

bottom:-30px; | left:50px; | }

[illegible]

[illegible]Nicolas Gallagher[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2010/04/css_speech_bubbles.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Css[illegible]

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[illegible]

[illegible]CSS[illegible]instantshift.com[illegible]CSS[illegible]
[illegible]

[illegible]

1. [illegible]

[illegible]text-align[illegible]

```
text-align:center;
```

2. [illegible]

[illegible]margin[illegible]auto[illegible]

```
div#container {            width:760px;
      margin:0 auto;
}
```

3. [illegible]

[illegible]

[illegible]

```
1234567890
```

[illegible]CSS[illegible]

```
div#container {height: 35px; line-height: 35px;}
```

[illegible]n[illegible]n[illegible]

4. [illegible]

[illegible]

[illegible]relative[illegible]

```
div#big{            position:relative;
    height:480px;
}
```

[illegible]absolute[illegible]y[illegible]50%[illegible]margin-top[illegible]50%[illegible]

```
div#small {          position: absolute;           top:
50%;

    height: 240px; |           margin-top: -120px; |
}
```

[illegible]

5. [illegible]

[illegible]CSS[illegible]

```
img {max-width: 100%}
```

[illegible]IE6[illegible]max-width[illegible]IE6[illegible]IE[illegible]

```
img {width: 100%}
```

6. 3D□□

□□□□□□[3D□□]□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
        div#button {              background: #888;
   border: 1px

   solid; |              border-color: #999 #777 #777 #999; |
        }
```

7. font□□□□□□□

font□□□□□□□□□

```
        body {
              font: font-style font-variant font-weight font-size

   line-height font-family; |       }
```

□□□

```
        body {              font-family: Arial, Helvetica, sans-
   serif;

              font-size: 13px;              font-weight: normal;
              font-variant: small-caps;              font-style:
   italic; |              line-height: 150%; |       }
```

□□□□□□

```
        body {
              font: italic small-caps normal 13px/150% Arial,

   Helvetica, sans-serif; |       }
```

8. link□□□□□□□

link□□□□□□□□□□□□□□□□□□□□□□

```
a:link       a:visited
a:hover
a:active
```

9. IE□□□□

□□□□□□□□□□□□□□IE□□□□□□□□

```
< ![endif]—>
```

□□□□□□□□□IE□□□

```
 - targets IE6 only —>        - targets IE7 and above
—>        -

targets IE5.5 and below —> |        - targets IE6 and
above —> |        - targets IE6 and below —>
```

10. IE6□□□□□□□

□□IE6□□html□□□□□□□□□□□□□□□□□□□□□IE6□□□□□□□□

```
/* the following rules apply only to IE6 */

* html{
}
* html body{
}
* html .foo{
}
```

IE7□□□□□□□

```
/* the following rules apply only to IE7 */

*+html .foo{
```

```
}
```

11. IE□□□□□□□□

□□IE6□□□□□□□□□□□□□□□□□□□□□□□□IE7□□□□□□□□□□□□□□□□□*
□□□□□□□□□□□□□□□□□□□□□□□□

```
.element {              background: red; /* modern
browsers */

        *background: green; /* IE 7 and below */ |
        _background: blue; /* IE6 exclusively */ |      }
```

12. CSS□□□□

□□□□□□□□□□CSS□□□□□□□□□□□□[□□]□□

□□□□□□

□□□□ > id□□ > class□□ > □□□□□

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```
div < .class < div.class < #id < div#id < #id.class
< div#id.class
```

13. IE6□min-height

IE6□□□min-height□□□□□□□□□□□□□□□

□□□□

```
.element {              min-height: 500px;
height:

auto !important; |              height: 500px; |      }
```

□□□CSS□□□□□□□□□□□□□□□□□□□□IE□□□□□□□□□□□
□□□□□□□□□

□□□

```
.element {          min-height: 500px
      _height: 500px
}
```

_height□□IE6□□□

14. font-size□□

□□□□□□□□16px□□□□□□□□□□10px□

```
body {font-size:62.5%;}
```

□□□□□em□□□□□2.4em□□24px□

```
h1 {font-size: 2.4 em}
```

15. Text-transform□Font Variant

Text-transform□□□□□□□□□□□□□□□□□□□

```
p {text-transform: uppercase}
p {text-transform: lowercase}
p {text-transform: capitalize}
```

Font Variant□□□□□□□□□□□□□□□□□□□□□□

```
p {font-variant: small-caps}
```

16. CSS□□

CSS□□□□□□□□□□□□□□YUI□Eric Meyer□□□□

17. □□□□□□□

[illegible]

```
ul {list-style: none}

ul li {              background-image: url(“path-to-your-image”);

            background-repeat: none; |              background-position: 0 0.5em; |       }
```

18. [illegible]

[illegible]

```
.element {              filter:alpha(opacity=50);

            -moz-opacity:0.5;              -khtml-opacity: 0.5; |
            opacity: 0.5; |       }
```

[illegible]CSS[illegible]IE[illegible]Firefox[illegible]webkit[illegible]Opera[illegible]

19. CSS[illegible]

[illegible]CSS[illegible]

[illegible]

[illegible]

```
.triangle {              border-color: transparent transparent

green transparent;              border-style: solid;
border-width: 0px 300px 300px 300px;              height: 0px; |              width: 0px; |       }
```

20. [illegible]

□□□□□□□□□□□□□□□□□□□□CSS□□□□

```
h1 { white-space:nowrap; }
```

21. □□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□CSS□□□□□□□

```
h1 {        text-indent:-9999px;
        background:url(“h1-image.jpg”) no-repeat;
        width:200px; |        height:50px; |      }
```

22. □□□□□□□□

□□□□□□□□□□□□□□□□□□□

```
input:focus { border: 2px solid green; }
```

23. !important□□

□CSS□□□□□□□□□!important□□□□□□□□□□□IE□□
□!important□□□□□□□□□□□□□□□□

```
h1 {        color: red !important;
        color: blue;
}
```

□□□□□□□□□□□□□□□□□□□□□□□IE□□□□□□

24. CSS□□□

□□□□□□□□□□□□□□□□□□□

[□□□□ □□□□]()

CSS□□□□

```
a.tooltip {position: relative}       a.tooltip span

{display:none; padding:5px; width:200px;} |       a:hover
{background:#fff;} /*background-color is a must for
IE6*/ |       a.tooltip:hover span{display:inline;
position:absolute;}
```

25. □□□□□□□

□□□□□□□□□□□□□□□□□□□□□CSS□□□□□□□□□□□□
http://limpid.nl/lab/css/fixed/header□

```
body{ margin:0;padding:100px 0 0 0;}

div#header{              position:absolute;
top:0;

       left:0;             width:100%; |             height:; |
    }

    @media screen{
       body>div#header{position: fixed;}
    }

    * html body{overflow:hidden;}

    * html div#content{height:100%;overflow:auto;}
```

IE6□□□□□□□□□□□□□□□□□□

```
* html #footer {             position:absolute;


       top:expression((0-(footer.offsetHeight)+
(document.documentElement.clientHeight ?
document.documentElement.clientHeight :
document.body.clientHeight)+(ignoreMe =
document.documentElement.scrollTop ?
```

```
document.documentElement.scrollTop :
document.body.scrollTop))+’px’); | }
```

26. □IE6□□□PNG□□□□□□

```
.classname {

    background: url(image.png);

    _background: none;


_filter:progid:DXImageTransform.Microsoft.AlphaImageL
oader
            (src=’image.png’, sizingMethod=’crop’);

}
```

27. □□□□□□□□□□

```
/* IE6 and below */      * html #uno { color: red }
/*

IE7 */      *:first-child+html #dos { color: red }      /*
IE7, FF, Saf, Opera */      html>body #tres { color: red }
    /* IE8, FF, Saf, Opera (Everything but IE 6,7) */
html>/**/body #cuatro { color: red }      /* Opera 9.27
and below, safari 2 */      html:first-child #cinco { color:
red }      /* Safari 2-3 */      html[xmlns*=”“] body:last-
child #seis { color: red }      /* safari 3+, chrome 1+,
opera9+, ff 3.5+ */      body:nth-of-type(1) #siete {
color: red }      /* safari 3+, chrome 1+, opera9+, ff
3.5+ */      body:first-of-type #ocho { color: red }      /*
saf3+, chrome1+ */      @media screen and (-webkit-
min-device-pixel-ratio:0) {           #diez { color: red }
    }      /* iPhone / mobile webkit */      @media
screen and (max-device-width: 480px) {
```

```
#veintiseis { color: red }       }       /* Safari 2 - 3.1 */
      html[xmlns*=”“]:root #trece { color: red }       /*
Safari 2 - 3.1, Opera 9.25 */       *|html[xmlns*=”“]
#catorce { color: red }       /* Everything but IE6-8 */
      :root *> #quince { color: red }       /* IE7 */
*+html #dieciocho { color: red }       /* Firefox only. 1+
*/       #veinticuatro, x:-moz-any-link { color: red }       /*
Firefox 3.0+ */       #veinticinco, x:-moz-any-link,
x:default { color: red }       /***** Attribute Hacks ******/
      /* IE6 */       #once { _color: blue }       /* IE6, IE7 */
      #doce { *color: blue; /* or #color: blue */ }       /*
Everything but IE6 */       #diecisiete { color/**/: blue }
      /* IE6, IE7, IE8 */       #diecinueve { color: blue\9; }
      /* IE7, IE8 */       #veinte { color/*\**/: blue\9; } |
      /* IE6, IE7 — acts as an !important */ |
#veintesiete { color: blue !ie; } /* string after ! can be
anything */
```

28. □□□□□□□□□□

HTML□□□□□

CSS□□□□□

```
      .logo {             display: block;             text-align:
center;

            display: block;             text-align: center;
            vertical-align: middle;             border: 4px solid
#dddddd;             padding: 4px; |             height: 74px; |
            width: 74px; }

      .logo * {             display: inline-block;
            height: 100%;
            vertical-align: middle; }
      .logo .photo {             height: auto;             width:
auto;
```

```
max-width: 100%;
max-height: 100%; }
```

29. CSS□□

□□□□

```
.shadow {          -moz-box-shadow: 5px 5px 5px
#ccc;

     -webkit-box-shadow: 5px 5px 5px #ccc; |
     box-shadow: 5px 5px 5px #ccc; |       }
```

□□□□

```
.shadow {          -moz-box-shadow:inset 0 0 10px
#000000;

     -webkit-box-shadow:inset 0 0 10px #000000; |
     box-shadow:inset 0 0 10px #000000; |       }
```

30. □□IE□□□□□□□□

```
textarea { overflow: auto; }
```

31. □□□□□

□□□3 Ways to Preload Images with CSS, JavaScript, or Ajax□

32. CSS□□

□□□Should You Reset Your CSS?□

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2010/03/css_cookbook.html □□: □□□

□□: □□□ http://www.me115.com

Css3[illegible]

ruanyifeng.com

[illegible]CSS3[illegible]

[illegible]CSS3[illegible]YDN[illegible]CSS3 Please[illegible]

[illegible]

[illegible]Firefox 3.6[illegible]IE 8.0[illegible]

[illegible]Rounded Corner[illegible]

```
.box_round {

    -moz-border-radius: 30px; /* FF1+ */

    -webkit-border-radius: 30px; /* Saf3+, Chrome */

    border-radius: 30px; /* Opera 10.5, IE 9 */

}
```

[illegible]IE[illegible]CSS[illegible]IE 9[illegible]

[illegible]Box Shadow[illegible]

```
.box_shadow {

    -moz-box-shadow: 3px 3px 4px #ffffff; /* FF3.5+ */

    -webkit-box-shadow: 3px 3px 4px #ffffff; /* Saf3.0+,
Chrome */
```

```
        box-shadow: 3px 3px 4px #ffffff; /* Opera 10.5, IE 9.0 */

        filter: progid:DXImageTransform.Microsoft.dropshadow(OffX=3px, OffY=3px, Color='#ffffff'); /* IE6,IE7 */

        -ms-filter:

    "progid:DXImageTransform.Microsoft.dropshadow(OffX=3px, OffY=3px, Color='#ffffff')"; /* IE8 */ | }
```

-moz-box-shadow□-webkit-box-shadow□box-shadow□□□□□□□□□4□□□□□□□□□□x□□□□□y□□□□□□□□□□□□□□□□□□

IE 6~8□□□□□□□□□□□□□□□□□offX□X□□□□□□offY□Y□□□□□□Color□□□□□□□

□□□□□□□Gradient□

```
    .box_gradient {

        background-image: -moz-linear-gradient(top, #444444, #999999); /* FF3.6 */

        background-image: -webkit-gradient(linear,left top, left bottom, color-stop(0, #444444),color-stop(1, #999999)); /* Saf4+, Chrome */

        filter: progid:DXImageTransform.Microsoft.gradient(startColorstr='#444444', endColorstr='#999999', GradientType='0'); /* IE6,IE7 */

        -ms-filter: "progid:DXImageTransform.Microsoft.gradient(startColor
```

str=’#444444’,
endColorstr=’#999999’,GradientType=’0’)”; /* IE8 */

}

□□Firefox□

-moz-linear-gradient(top, #444444, #999999);

-moz-linear-gradient□□□□□□□□□□□□□□□□□□□□□top□□□□□□left□□□□□□□□□□□left top□□

-webkit-gradient(linear,left top, left bottom, color-stop(0, #444444),color-stop(1, #999999));

-webkit-gradient□webkit□□□□□□□□□□□□□□□□□□□□□□□□□□□□type□□□□□linear□□□□□□□□radial□□left top□□□□□□left bottom□□□□□□□□□□□□□□□□□□□□□color-stop□□□color-stop□□□□□□□□□□□□□□□□□□□□0□□□□0.5□□□□1□□□□□□□□□□□□□□□□

DXImageTransform.Microsoft.gradient(startColorstr=’#444444’, endColorstr=’#999999’, GradientType=’0’);

IE□□□□□□□□□startColorstr□□□□□□□□endColorstr□□□□□□□GradientType□□□□□□□0□□□□□□□□□□□□1□□□□□□□

□□□□□opacity□

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.box_rgba {

background-color: #B4B490;

```
    background:transparent;

    filter: progid:DXImageTransform.Microsoft.gradient(startColorstr='#99B4B490',endColorstr='#99B4B490'); /* IE6,IE7 */

    -ms-filter: "progid:DXImageTransform.Microsoft.gradient(startColorstr='#99B4B490',endColorstr='#99B4B490')"; /* IE8 */

    zoom: 1;

    background-color: rgba(180, 180, 144, 0.6); /* FF3+, Saf3+, Opera 10.10+, Chrome */

}
```

□□□□□□

```
background-color: #B4B490;
```

□□

```
background:transparent;

filter: progid:DXImageTransform.Microsoft.gradient(startColorstr='#99B4B490',endColorstr='#99B4B490'); /* IE6,IE7 */

-ms-filter: "progid:DXImageTransform.Microsoft.gradient(startColorstr='#99B4B490',endColorstr='#99B4B490')"; /* IE8 */

zoom: 1;
```

□□□□□□□IE□□□□□□□□□ DXImageTransform.Microsoft.gradient□□□□□□□□□□□□□□startColorstr□□□□□□endColorstr□□alpha□□□□00□□□□□□□FF□□□□□□□□□□□□□□□□□□RGB□□

```
background-color: rgba(180, 180, 144, 0.6);
```

□□IE□□□□□□□□□□□rgba□□□□□□□□□□□□□□□□□□□RGB□□□□□□□□□□□□□□0.6□

□□□□□rotation□

```
.box_rotate {

    -moz-transform: rotate(7.5deg); /* FF3.5+ */

    -o-transform: rotate(7.5deg); /* Opera 10.5 */

    -webkit-transform: rotate(7.5deg); /* Saf3.1+, Chrome */

    filter: progid:DXImageTransform.Microsoft.Matrix(M11=0.9914,M12=-0.1305,M21=0.1305,M22=0.9914,SizingMethod='auto expand');

    -ms-filter: "progid:DXImageTransform.Microsoft.Matrix(M11=0.9914,M12=-0.1305,M21=0.1305,M22=0.9914,SizingMethod='auto expand')"; /* IE8 */

}
```

□□IE□□□□□□□□□□□rotate□□□□□□□□□□□□□□□rotate(7.5deg)□□□□□□□□7.5□□degree□□

IE□□□□□□□□□□DXImageTransform.Microsoft.Matrix□□□□□□
□□□□□□□□□□□□□□□□□□□□□□M11 = cos(rotation),M12 = -sin(rotation),M21 = sin(rotation),M22 = cos(rotation)□□□
rotation□□□□□□□□□□□□7.5□□rotation□□7.5□□□□□
SizingMethod□□□□□□’auto expand’□□□□□□□□□□

□□□□□□IE□□□□□□□□□□□
DXImageTransform.Microsoft.BasicImage(rotation=x)□□□x□
□□□1□2□3□0□□□□□□□□90□□180□□270□□360□□

□□□□□□□□font-face□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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```
@font-face {

    font-family: ‘MyFont’;

    src: url(‘myfont.eot’); /* IE6+ */

    src: local(‘myfont.ttf’),

    url(‘myfont.woff’) format(‘woff’), /* FF3.6 */

    url(‘myfont.ttf’) format(‘truetype’); /* FF3.5+, Saf3+,Chrome,Opera10+ */

}
```

□□□□□

```
font-family: ‘MyFont’;
```

□□□□□□□□□□□□□□□□□□□□□□MyFont□

```
src: url(‘myfont.eot’);
```

□□□□□□□□□□□□ie□□□□□□□□eot□□□□□□□□□ie□□□□

  src: local(‘myfont.ttf’),

    url(‘myfont.woff’) format(‘woff’),

    url(‘myfont.ttf’) format(‘truetype’);

local()□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□url()□□□□□□□□□□□□□□format()□□□□□□□□□Firefox 3.5□□TrueType□OpenType□□□Firefox 3.6□□□□WOFF□□□□□□□Webkit□□□□□□□sarif□opera□chrome□□□□□□□□□truetype□

□□□□□□□□□□□□□□□□

  h2{ font-family: “MyFont”; }

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□□css3□□□□□□transform□□□□□□□skew□□□□□scale□□□□□□□css transitions□□□□□□□□□□□□□□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2010/03/cross-browser_css3_features.html □□: □□□

□□: □□□ http://www.me115.com

[illegible]

ruanyifeng.com

[illegible]

[illegible]60%[illegible]

[illegible]

[illegible]Flickr[illegible]2007[illegible]Flickr[illegible]

[illegible]Picasa[illegible]2009[illegible]Picasa[illegible]

[illegible]Photobucket[illegible]2010[illegible]1[illegible]Photobucket[illegible]

[illegible]

[illegible]

[illegible]

[illegible]Flickr[illegible]

[illegible]Movable Type[illegible]MT[illegible]MT[illegible]ajax[illegible]20[illegible]

[illegible]WordPress[illegible]WP[illegible]NextGEN Gallery[illegible]

□□□□□□□□□□□□□□□**`http://image.beekka.com <http://image.beekka.com>`__**□□

NextGEN Gallery□□□□□□□□□□□David Potter□□□□□□□□□□□□□□□□□2□□□□

1. □"Options/Gallery"□□"Show ImageBrowser"□□□□□

2. □□□□□□gallery.php□□□

3. □□□□□□imagebrowser.php□□□

□□□□□□□□□□□□□□□$image□□□□□□□□□□□□□□□□□filename ?>□□□□□□□□□□□□□□□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2010/03/built_a_image_server.html □□: □□□

□□: □□□ http://www.me115.com

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ruanyifeng.com

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□□□□□URL□□
□□□□□□□”http://www.abc.com”□□□□□□□□□□□
□”http://www.aβγ.com”□□□□□□-□□-□□.com□□□□□□□□□□[RFC 1738](RFC 1738)□□□□□□□

> “…Only alphanumerics [0-9a-zA-Z], the special characters “$-_.+!*’(),” [not including the quotes - ed], and reserved characters used for their reserved purposes may be used unencoded within a URL.”
>
> “□□□□□□□[0-9a-zA-Z]□□□□□□□”$-_.+!*’(),”[□□□□□□]□□□□□□
> □□□□□□□□□□□□□□□URL□”

□□□□□□□URL□□□□□□□□□□□□□□□□□□□□□RFC 1738□□□□□□□□□□
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url = url + “?q=” +document.myform.elements[0].value; // □□□□□□□□□□□□□□”□□”□□□□

http_request.open(‘GET’, url, true);

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Note

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image0

1. find

find[illegible]

find[illegible]

$ find

- [illegible]

- [illegible]

- [illegible]

[illegible]find[illegible]

find[illegible]

$ find . -name ‘my*’

[illegible]my[illegible]

$ find . -name ‘my*’ -ls

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$ find . -type f -mmin -10

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image1

2. locate

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$ locate /etc/sh

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$ locate ~/m

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$ locate -i ~/m

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image2

3. whereis

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whereis[illegible]

$ whereis grep

image3

4. which

which[illegible]PATH[illegible]which[illegible]

which[illegible]

$ which grep

image4

5. type

type[illegible]shell[illegible]shell[illegible]-p[illegible]which[illegible]

type[illegible]

$ type cd

[illegible]cd[illegible]shell[illegible]build-in[illegible]

$ type grep

[illegible]grep[illegible]

$ type -p grep

[illegible]-p[illegible]which[illegible]

image5

[illegible]

Note

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http://www.ruanyifeng.com/blog/2009/10/5_ways_to_search_for_files_using_the_terminal.html □□: □□□

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  - namespace □□□□□□□□ - processing-instruction

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Note

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[{“□□”:”□□”,”□□”:16800,”□□”:1600},
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]

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[[“□□”,16800,1600],
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□□□□□□□a=[1,2,3,4]□□□□□□□a={0:1,1:2,2:3,3:4}□□□□□□
alert(a[1])□□□
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```
var a={“□□”:”□□”,”□□”:16800,”□□”:1600};
```

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```
a[“□□”]=”□□”;
a[“□□”]=16800;
a[“□□”]=1600;
```

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```
var a=[1,2,3,4];

a[‘foo’]=’Hello World’;

alert(a.length);
```

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□□□□□□□□□□php□□□□□□□□

```
$a=array(1,2,3,4);

$a[“foo”]=”Hello world”;

echo count($a);

?>
```

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Note

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http://www.ruanyifeng.com/blog/2009/05/data_types_and_json.html □□: □□□

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Html[illegible]

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[illegible]HTML[illegible]

HTML[illegible]
HTML[illegible]CSS[illegible]Javascript[illegible]

[illegible]HTML[illegible]
[illegible]HTML[illegible]

[illegible]

div

[illegible]

[illegible]1[illegible]2[illegible]3[illegible]
[illegible]

[illegible]

[illegible]

h1, h2, h3, h4, h5, h6

[illegible]

h1[illegible]h2[illegible]h1[illegible]5[illegible]
[illegible]h1[illegible]

[illegible]

[illegible] [illegible] ========

p

[illegible]

[illegible]p[illegible]div[illegible]

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[illegible]P[illegible]p[illegible]

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blockquote[illegible]cite[illegible]cite[illegible]

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blockquote[illegible]cite[illegible]URI[illegible]title[illegible]

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$ [illegible]1999/12/24 23:37:50 $

cite

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dfn

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span

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ul, ol, li

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[illegible]ul[illegible]ol[illegible]

dl, dd, dt

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dt[illegible]dd[illegible]

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Note

[illegible]: http://www.ruanyifeng.com/blog/2009/05/guide_to_semantic_html_elements.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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a test table with merged cells

average

red
eyes

height

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males

1.9

0.003

40%

females

1.7

0.002

43%

[illegible]

2. [illegible]

[illegible]HTML[illegible]thead[illegible]tbody[illegible]tfoot[illegible]

[illegible]

…header information…

…footer information…

…first row of block one data…

…second row of block one data…

…first row of block two data…

…second row of block two data…

…third row of block two data…

[illegible]

1[illegible]thead[illegible]tfoot[illegible]tbody[illegible]

2[illegible]tfoot[illegible]tbody[illegible]

3[illegible]thead[illegible]tbody[illegible]tfoot[illegible]tr[illegible]

3. [illegible]

tbody[illegible]”[illegible]”[illegible]colgroup[illegible]”[illegible]”[illegible]

[illegible]40[illegible]20[illegible]

span[illegible]colgroup[illegible]

[illegible]colgroup[illegible]col[illegible]

[illegible]20[illegible]

…a total of forty COL elements…

[illegible]40[illegible]CSS[illegible]

4. CSS[illegible]table-layout[illegible]

[illegible]

table { table-layout: fixed }

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* auto□□□□
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auto□□□□□□□□□□□□□□fixed□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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6. frame□rules

table□□□frame□rules□□□□□□□□□□□□□□frame□□□□□□□□□□□□□□□□□□□□□□□□ rules □□□□□□□□□□□□□□□□

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rows - □□□□□□□□ | * cols - □□□□□□□□ | * all - □□□□□□□□□□□□□□□□□□

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My Ultimate Table

cell 1-1

cell 1-2

cell 1-3

cell 1-4

cell 4-1

cell 4-2

cell 4-3

cell 4-4

cell 2-1

cell 2-2

cell 2-3

cell 2-4

cell 3-1

cell 3-2

cell 3-3

cell 3-4

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[[illegible]]

* HTML 4.0[illegible]Table[illegible]

* [illegible]frame [illegible]rules [illegible]

* [illegible]

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Note

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● 84.8%□□□□□Javascript□

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● 2005□□□□Youtube□□□□□□□□□□□□□200Kbps(□□□□□□□25KB)□□□2007□□□□□328Kbps□□□□□□□□42KB□□

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Note

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http://www.ruanyifeng.com/blog/2009/04/some_website_statistics.html □□: □□□

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[illegible]clearing[illegible]

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[illegible]

[illegible]

1. [illegible]

[illegible]container[illegible]

[illegible]

[illegible]HTML[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

2. [illegible]

[illegible]

[illegible]CSS[illegible]page flow[illegible]
[illegible]

3. [illegible]

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[illegible]

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[illegible]

[illegible]HTML[illegible]

4. [illegible]

[illegible]

[illegible]

style=”float:left;”>

[illegible]HTML[illegible]

5. [illegible]clearing

[illegible]”[illegible]”[illegible]clearing[illegible]

[illegible]”overflow: hidden”[illegible]CSS[illegible]

style=”overflow: hidden;”>

[illegible]IE 6[illegible]

6. [illegible]

[illegible]CSS[illegible]HTML[illegible]

[illegible]CSS[illegible]:after[illegible]

[illegible][lifesinger](#)[illegible]

```
.clearfix:after { content: “\0020”; display: block; height: 0;
clear: both;
}
```

[illegible]”clearfix”[illegible]class[illegible]”content:”020”;”[illegible]”height: 0;”[illegible]”display: block; clear: both;”[illegible]

[illegible]:after[illegible]IE 6[illegible]IE 6[illegible]

[illegible]IE 6[illegible]”zoom:1;”[illegible]”hasLayout”[illegible]IE 6[illegible]

7. [illegible]

```
.clearfix:after { content: “\0020”; display: block; height: 0;
clear: both;
}
.clearfix {
zoom: 1;
}
```

[illegible] 2011.04.21

[Nicolas Gallagher](#)[illegible]

```
/* For modern browsers */ .cf:before, .cf:after {

      content:"“; |        display:block; | }

.cf:after {
      clear:both;
```

```
}
/* For IE 6/7 (trigger hasLayout) */ .cf {
    zoom:1;
}
```

[□□□□]

* [PPK: Clearing floats]

* [How To Clear Floats Without Structural Markup]

* [mezzoblue: Clearance]

□□ □□□hasLayout

□□□□□□□CSS Mastery□□□□□□□□□CSS □□Web□□□□□□□□154□□□□□□□□□□2007□

IE□□Layout□□□□□□□□□□□□□□□□□□□□□Layout□□□

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□□□□□Layout□□

□□□□□□CSS□□□□□□□□□□□□□

- position: absolute
- float: left|right
- display: inline-block
- width: any value other than ‘auto’
- height: any value other than ‘auto’
- zoom: any value other than ‘normal’ □IE□□□□□
- writing-mode: tb-rl□IE□□□□□
- overflow: hidden|scroll|auto□□□IE 7□□□□□□□
- overflow-x|-y: hidden|scroll|auto□□□IE 7□□□□□□ □□

hasLayout□IE□□□□□□□CSS□□□□□□Javascript□□hasLayout □□□□□□□□□□Layout□□□□□□□□□□□□true□□□□□false□ hasLayout□□□□□□□□□□□□□□Javascript□□□□□

[□□□□]

* [On having layout]

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2009/04/float_clearing.html □□: □□□

□□: □□□ http://www.me115.com

[illegible]

ruanyifeng.com

[illegible]

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2[illegible]

[illegible]2[illegible]6[illegible]8[illegible]8[illegible]8[illegible]

[illegible]12[illegible]99%[illegible]

[illegible]38[illegible]

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[illegible]

Google[illegible][illegible][illegible]10[illegible]0.4[illegible]30[illegible]0.9[illegible]Google[illegible]20%[illegible]

Google[illegible]100KB[illegible]70~80KB[illegible]10%[illegible]3[illegible]25%[illegible]

Amazon[illegible]100[illegible]1%[illegible]

[illegible]

[illegible]4[illegible]6[illegible]

[illegible]ADSL[illegible]3~5[illegible]20~30[illegible]——[illegible]Javascript[illegible]CSS[illegible]——[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2009/03/the_psychology_of_web_performance.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Tcp/ip[illegible]

ruanyifeng.com

TCP/IP[illegible]

[illegible][illegible][illegible]

[illegible]BetterExplained[illegible]

[illegible]

[illegible]

[illegible]TCP/IP[illegible]

TCP/IP[illegible]

[illegible]”[illegible]”[illegible]TCP/IP[illegible]

TCP/IP[illegible]

[illegible]

[illegible]Link Layer[illegible]Internet Layer[illegible]Transport Layer[illegible]Application Layer[illegible]

[illegible]

1[illegible]ADSL[illegible]

2[illegible]IP[illegible]

3[illegible]TCP[illegible]

4[illegible]HTTP[illegible]FTP[illegible]

□□□□□□□□□□□□□□□□□□70□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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telnet□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□TCP□□□□□□□□□□□□
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“telnet google.com 80”□□□□□□□google.com□80□□□□□□□□□□
□□□□”□□”□□□TCP□□□□□□□□□□□□TCP□□□□□□□□□□□□□□□□□□□□
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□□□□□□□□□□□□□[□□□□]□□□□□□□□□□□□Linux□□□□□□□□□□□□□□□□□
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□□□□□□□□□□□□□Windows□□□□□□□□

□□□□□□□□□□Telnet□□□□□”Ctrl+]”□□□□□□”set localecho”□□□□□
□□□□□□□□□

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□□□□”Hello World□”□

□□□Google□□□□□□□□

“400 Bad Request”□□Google□□□□□□□□□□□□□□□□□□□□□□□TCP
□□□□□□□□HTTP□□□□□□□□□□□□□□HTTP□□□□□Google□□□□□

□□□□□□”GET / HTTP/1.1”□□□□google□□□□□□□□□□□□□□
HTTP□1.1□□□

Google[illegible]

“200 OK”[illegible]google[illegible]

[illegible]

[illegible]HTTP[illegible]”[illegible]”[illegible]”telnet ftp.website.com 21”[illegible]ftp[illegible]

[illegible]TCP[illegible]TCP[illegible]IP[illegible]

[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2009/03/tcp-ip_model.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Css[illegible]

ruanyifeng.com

[illegible]jQuery[illegible]selector[illegible]

[illegible]

[illegible]CSS[illegible]xPath[illegible]44[illegible]CSS 2[illegible]CSS 3[illegible]

CSS[illegible]

[illegible] [illegible]

[illegible]456 Berea Street

[illegible]

[illegible]1. ***** [illegible]2. **E** [illegible]E[illegible]3. **.info** class[illegible]class[illegible]info[illegible]4. **#footer** id[illegible]id[illegible]footer[illegible]

[illegible]

```
* { margin:0; padding:0; }

p { font-size:2em; }

.info { background:#ff0; }

p.info { background:#ff0; }

p.info.error { color:#900; font-weight:bold; }
```

```
#info { background:#ff0; }

p#info { background:#ff0; }
```

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□□□□□□□5. E,F □□□□□□□□□□□□□E□□□F□□□E□F□□□□□□□6. E F □□□□□□□□□□□□□□E□□□□□F□□□E□F□□□□□□□7. E > F □□□□□□□□□□□E□□□□□□F8. E + F □□□□□□□□□□□□□□E□□□□□□□□□F

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```
div p { color:#f00; }

#nav li { display:inline; }

#nav a { font-weight:bold; }

div > strong { color:#f00; }

p + p { color:#f00; }
```

□□CSS 2.1 □□□□□

□□□□□□□9. E[att] □□□□□□att□□□E□□□□□□□□□□□□□□E□□□□□□□□□□”[cheacked]”□□□□□□10. E[att=val] □□□□att□□□□”val”□E□□11. E[att~=val] □□□□att□□□□□□□□□□□□□□□□□□□”val”□E□□12. E[att|=val] □□□□att□□□□□□□□□□□□hyphen-separated□□□□□□□□□□”val”□□□E□□□□□□□lang□□□□□”en”□”en-us”□”en-gb”□□

□□□

```
p[title] { color:#f00; }

div[class=error] { color:#f00; }

td[headers~=col1] { color:#f00; }
```

```
p[lang|=en] { color:#f00; }

blockquote[class=quote][cite] { color:#f00; }
```

□□CSS 2.1□□□□

□□□□□□□13. E:first-child □□□□□□□□□□□□14. E:link □□□□□□□□□□□15. E:visited □□□□□□□□□□□16. E:active □□□□□□□□□□□□□□□□□E□□17. E:hover □□□□□□□□□E□□18. E:focus □□□□□□□□□E□□19. E:lang(c) □□lang□□□□c□E□□

□□□

```
p:first-child { font-style:italic; }

input[type=text]:focus { color:#000; background:#ffe;
}

input[type=text]:focus:hover { background:#fff; }

q:lang(sv) { quotes: “\201D” “\201D” “\2019” “\2019”; }
```

□□ CSS 2.1□□□□□

□□□□□□□20. E:first-line □□E□□□□□□21. E:first-letter □□E□□□□□□□□22. E:before □E□□□□□□□□□□□23. E:after □E□□□□□□□□□□□

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```
p:first-line { font-weight:bold; color;#600; }

.preamble:first-letter { font-size:1.5em; font-
weight:bold; }

.cbb:before { content:”“; display:block; height:17px;
width:18px; background:url(top.png) no-repeat 0 0;
margin:0 0 0 -18px; }
```

```
a:link:after { content: ” (” attr(href) “) “; }
```

□□CSS 3□□□□□□□□□□

□□□□□□□24. E ~ F □□□□□E□□□□□□□F□□

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```
p ~ ul { background:#ff0; }
```

□□CSS 3 □□□□□

□□□□□□□25. E[att^=”val”] □□att□□□”val”□□□□□26. E[att$=”val”] □□att□□□”val”□□□□□27. E[att*=”val”] □□att□□□□”val”□□□□□□

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```
div[id^=”nav”] { background:#ff0; }
```

□□CSS 3□□□□□□□□□□□

□□□□□□□28. E:enabled □□□□□□□□□□29. E:disabled □□□□□□□□□□30. E:checked □□□□□□□□□radio□□□□□□checkbox□□□□□□□31. E::selection □□□□□□□□□□□

□□□

```
input[type=”text”]:disabled { background:#ddd; }
```

□□CSS 3□□□□□□□

□□□□□□□32. E:root □□□□□□□□□□□HTML□□□□□HTML□□33. E:nth-child(n) □□□□□□□□n□□□□□□□□□□□134. E:nth-last-child(n) □□□□□□□□□□n□□□□□□□□□□□135. E:nth-of-type(n) □:nth-child()□□□□□□□□□□□□□□□□□□□36. E:nth-last-of-type(n) □:nth-last-child() □□□□□□□□□□□□□□□□□□□37. E:last-child □□□□□□□□□□□□□□□□□:nth-last-child(1)38. E:first-of-type □□□□□□□□□

[illegible]:nth-of-type(1)39. E:last-of-type [illegible]:nth-last-of-type(1)40. E:only-child [illegible]:first-child:last-child[illegible] :nth-child(1):nth-last-child(1)41. E:only-of-type [illegible]:first-of-type:last-of-type[illegible] :nth-of-type(1):nth-last-of-type(1)42. E:empty [illegible]

[illegible]

```
p:nth-child(3) { color:#f00; }

p:nth-child(odd) { color:#f00; }

p:nth-child(even) { color:#f00; }

p:nth-child(3n+0) { color:#f00; }

p:nth-child(3n) { color:#f00; }

tr:nth-child(2n+11) { background:#ff0; }

tr:nth-last-child(2) { background:#ff0; }

p:last-child { background:#ff0; }

p:only-child { background:#ff0; }

p:empty { background:#ff0; }
```

[illegible]CSS 3[illegible]

[illegible]43. E:not(s) [illegible]

[illegible]

```
:not(p) { border:1px solid #ccc; }
```

[illegible]CSS 3[illegible] :target [illegible]

□□□□□□□44. E:target □□□□□□□”id”□□□□□□

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Note

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http://www.ruanyifeng.com/blog/2009/03/css_selectors.html □□: □□□

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Openid[illegible]RPX[illegible]

ruanyifeng.com

[illegible]Google[illegible]Openid[illegible]

[illegible]Gmail[illegible]

[illegible]Gmail[illegible]
[illegible]
[illegible]”[illegible]”[illegible]Google[illegible]
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[illegible]Openid[illegible]Google[illegible]
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  [illegible]

[illegible]Openid[illegible]RPX[illegible]
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ruanyifeng.com

Evernote

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Highlight

Remove Highlight

Note

[illegible]: http://www.ruanyifeng.com/blog/2009/03/rpx_trial_thoughts.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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□□[Google Site]□

□□□[Picasa]□

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> To see the final code we ended up using in Gmail and Reader, you’ll have to reverse engineer the button code in one of those products.
>
> □□□□□□□□Gmail□Google Reader□□□□□□□□□□□□□□□□□□□□□
> □□□□□

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□□□□□□□HTML□□□□□

Button

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□□□□□button.css□□□□□□□□

@import url(“button.css”);

□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□

□□□□□□□□□□□□□□□□HTML□□□□1□div□□□□□□□□class□

1. □□□□□□□□□□□□□□□”goog-imageless-button-primary”□

ii. □□□□□□□□□□□□□□□□□□”goog-imageless-button-disabled”□

iii. □□□□□□□□□□□□”□□□”□□□□□□□Example 3□□□□□□□□□□□”goog-imageless-button-collapse-right”□□□□□□□□□”goog-imageless-button-collapse-left”□□□□□□□□□□□□□□□class□

iv. □□□□□□□□□□□□□□□□□”goog-imageless-button-checked”□

□□□□□Javascript□□□□□□□□□□□□□jQuery□

1. □□□□□□□□□

```
$(“.goog-imageless-button”).hover(
function(){

        if(!$(this).hasClass(“goog-imageless-
button-disabled”)){
$(this).addClass(“goog-imageless-button-hover”);
        }       },      function(){
        if(!$(this).hasClass(“goog-imageless-
button-disabled”)){
$(this).removeClass(“goog-imageless-button-
hover”);          } |        } |    );
```

2. □□□□□□□□□□

```
$(“.goog-imageless-button”).mousedown(
function(){

        if(!$(this).hasClass(“goog-imageless-button-
disabled”)){              $(this).addClass(“goog-
imageless-button-checked”);          }       }
    ).mouseup(       function(){
if(!$(this).hasClass(“goog-imageless-button-disabled”)){
            $(this).removeClass(“goog-imageless-
button-checked”);           } |        } |    );
```

3. □□focus□blur□□□□□□

```
$(“.goog-imageless-button”).focus(function()
{$(this).addClass(“goog-imageless-button-focused”)});

$(“.goog-imageless-button”).blur(function()
{$(this).removeClass(“goog-imageless-button-
focused”)});
```

□□□□□□□□□□□□□□□□□□□□□□□□click□submit□□□□□□□□□□□□□□□
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[illegible]

[illegible]Javascript[illegible]Javascript[illegible]Douglas Bowman[illegible][illegible][illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2009/03/creating_gmail-like_buttons.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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[ruanyifeng.com]()

[illegible]VCS[illegible]

[illegible]VCS[illegible]

[illegible]VCS[illegible]

A Visual Guide to Version Control

[illegible]

[illegible]Kalid Azad

[illegible]

[illegible]http://betterexplained.com/articles/a-visual-guide-to-version-control/

|image0|

[illegible]Version Control[illegible]

[illegible]

   * KalidAzadResumeOct2006.doc

   * KalidAzadResumeMar2007.doc

   * instacalc-logo3.png

* instacalc-logo4.png

* logo-old.png

□□□□□□□□□□□”Save As”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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* □□□□□□□□□□Document.old.txt□□

* □□□□□□□□□□□□□□□□Document_V1.txt□
DocumentMarch2007.txt□□

* □□□

□□□□□□□□□□**VCS**□□

□□

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□□□□□□Windows□□□□□□□□□□□□

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* □□□Backup□□□□□Restore□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□2007□2□23□□□□□□□□□

* □□□Synchronization□□□□□□□□□□□□□□□□□□□□□

* □□□□□Short-term undo□□□□□□□□□□□□□□□□□□□□□□□□□□□
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* □□□□□Long-term undo□□□□□□□□□□□□□□□□□□□□□□□□□□□
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* □□□□□Track Changes□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□VCS□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

* [illegible]Track Ownership[illegible]VCS[illegible]

* [illegible]Sandboxing[illegible]

* [illegible]Branching[illegible]merging[illegible]

[illegible]

[illegible]

[illegible]VCS[illegible]

[illegible]

* Repository (repo): [illegible]

* Server: [illegible]repo[illegible]

* Client: [illegible]repo[illegible]

* Working Set/Working Copy: [illegible]

* Trunk/Main: repo[illegible]”trunk”[illegible]

[illegible]

* Add: [illegible]repo[illegible]VCS[illegible]

* Revision: [illegible]v1, v2, v3[illegible]

* Head: repo[illegible]

* Check out[illegible]repo[illegible]

* Check in: [illegible]repo[illegible]”check out”[illegible]

* Checkin Message: [illegible]

* Changelog/History: [illegible]

* Update/Sync: [illegible]repo[illegible]

* Revert: [illegible]repo[illegible]

[illegible]

* Branch: [illegible]repo[illegible]Branch[illegible]branch the code[illegible]Which branch is it in?[illegible]

* Diff/Change/Delta: [illegible]

* Merge (or patch): [illegible]branch[illegible]merge[illegible]branch[illegible]

* Conflict: [illegible]check in[illegible]

* Resolve: [illegible]check in[illegible]

* Locking: [illegible]”[illegible]”[illegible]VCS[illegible]conflict[illegible]

* Breaking the lock: [illegible]lock[illegible]

* Check out for edit: Check out[illegible]”[illegible]”[illegible]VCS[illegible]

[illegible]

□□□add□□□□□list.txt□□□repo□□□□□□□□□□□check out□□□□□
□□□□□□□□□milk□□□□□□□□□□□□□□□□□check in□□□□□□
checking message□”□□□□□□□□”□□□□□□□□□□update□□□□□
working set□□□□list.txt□□□□□□□□□□□□□□□”milk”□□□□□□
changelog□diff□□□□□□□□□□□□□□”milk”□□□□

□□□□□□□□□□□□□□VCS□□□□

Check in

□□□□□□□□check in□□□□□list.txt□□□□□□□□□□

|image1|

□subversion□□□□□□□□

```
svn add list.txt
(modify the file)
svn ci list.txt -m “Changed the list”
```

□□□□□□□□-m□□□□□check in□□□□message□

Check out□□□

□□□□□□Check in□□□□□□□□□check out□□□□□□□□□check in□□□□
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|image2|

□□□□□□□□□□□□□□□□□□□□□□□revert□□□□□□□□□check out□□□□□
□□□
Subversion□□□□□□□□□□

```
svn co list.txt (get latest version)
…edit file…
svn revert list.txt (throw away changes)

svn co -r2 list.txt (check out particular version)
```

Diff

Diff□□

|image3|

□□□□r1□□r2□□□□□□eggs□+Eggs□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□r1□□□□□□□r2□

□r2□□r3□□□□□□□Juice□+Juice□□□r3□□r4□□□□□□□Juice□□□Soup
□-Juice, +Soup□□

□□□□□□□□□□□□□diff□□□□□□□□□□□□□□□□□□□□□□□□□□4□□□□□□□□
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□□□□□□□

```
svn diff -r3:4 list.txt
```

Branch

Branch□□□□□□□□□□□□□□VCS□□□□□□□□□□□□□□□□□□□□□□□□□
□□

|image4|

□□□□□□□□□□□□branch□□□□□□□Rice□□□trunk□□□□□Bread□□□
VCS□□□Branch□□□□□□□□□□□

□Subversion□□□□branch□□□□□□□□□□□□□□□□□□□□□□□□□□

```
svn copy http://path/to/trunk http://path/to/branch
```

□□□branch□□
□□□□□□□□□□□□

Merge

□□□□□□□branch□□□□□□□□□□branch□□□□□□□□

□□□□□□□Rice□□□□□□branch□□□□□□□□□□□□□□□□□□Diff□□r6□r7□
□□□□□□□□

□□□□□□□□□□branch□□□□□□□□□□□□□□□□□□□diff□□r5□r6□□□□□□
□trunk□□□□□□

|image5|

□□□□diff□r6□r7□□□□□□”Bread”□□□□□□□□□□□□□□□□□□□□□□
branch□□□□□□Rice□□□□+Rice□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□Rice□□□□□

□Subversion□□merge□□□diff□□□□□□□□□□□□□□□□□□□

```
svn merge -r5:6 http://path/to/branch
```

□□□□diff□r5□r6□□□□□□□□□□□□□□□□□□□□□Subversion□□□□□□□□
□□□□□□merge□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□SVN□□
□□□□□□□□□□□□□□□□□□□□□□□changelog message□□□r5-r6□□□
□□□□□

Conflict

Conflict□□□□□□□□□□□□□□□□□□□□□□□□□□Joe□□□eggs□□□cheese
□-eggs, +cheese□□Sue□□□eggs□□□hot dog□-eggs, +hot
dog□□

|image6|

□□□□□□□□□□□□□□□□□□Joe□□check in□□□□□□□□□□□□□□Sue□□□□
□□□□□

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□□□check in□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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  □□□□□□□□□hot dog□

* □□□□□□□□□□□□check out□□□□□□□r4□□□□□□□□□□□□□□□□
check in□□□□□□□□□□□□cheese□□□□hot dog□

Conflict□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Tag

□□□□□□□□VCS□□□□Web 2.0□□□□□□□VCS□□□□□□□□□□□□□
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□Subversion□□tag□□□□□□□□□□branche□□□□□□□□□□□□□□□□□□□
□□□□1.0□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

(in trunk)
svn copy http://path/to/revision http://path/to/tag

□□□□□□□□□□**Windows**□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

* □□□□□main line□□□□□□□□□□Windows□

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□□□□branch□□□□□□□□□□□□□□□□”Reverse Integrate (RI)”□□□□
□□□□□□□□□□□□”Forward Integrate”□□□□□□□□□□□□□□□□□□□
branch□

|image7|

□□□□□□Media Player 10□IE 6□Media Player□□□□□□□□□branch
□□□□□11□□□□□□□□□10 - 11□□□□□□11□□□□□□□□□□□□reverse
integration□□branch□trunk□IE□□□□□□□□□□□□

□□□Media Player□□□□□□□□□□□□IE□□□□□□□□□□□□□□□□□□Media
Player□trunk□□□□□□□□□□□□□□branch□□□□□forward
integration□

reverse integration[illegible]forward integration[illegible]RI[illegible]FI[illegible]branch[illegible]

[illegible]branch[illegible]sub-branch[illegible]RI[illegible]branch[illegible]

[illegible]

[illegible]VCS[illegible]

[illegible]VCS[illegible]SVN[illegible]CVS[illegible]RCS[illegible]Git[illegible]Perforce[illegible]Eric Sink[illegible]version control guide[illegible]

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Note

[illegible]: http://www.ruanyifeng.com/blog/2008/12/a_visual_guide_to_version_control.html [illegible]: [illegible]

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Jacobsen v. Katzer[illegible]

ruanyifeng.com

[illegible]Lawrence Lessig[illegible]CC[illegible]Blog[illegible]"huge and important news"[illegible]

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[illegible]2006[illegible]Bob Jacobsen[illegible]Matt Katzer[illegible]"[illegible]"[illegible]a breach of the licensing agreement[illegible]"[illegible]"[illegible]copyright infringement[illegible]

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> [illegible]damages[illegible]

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Bob Jacobsen[illegible]PC Magazine[illegible]

Lawrence Lessig[illegible]

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BONUS NEWS 1

Giganews[illegible]
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BONUS NEWS 2

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3.21[illegible]4.x[illegible]……[illegible]Blog[illegible]MT[illegible]

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Note

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http://www.ruanyifeng.com/blog/2008/08/jacobsen_v_katzer.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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[ruanyifeng.com]

1.

[illegible]

[illegible]minifun.cn[illegible]Google Analytics[illegible]81[illegible]122x160[illegible]3360x1050[illegible]

[illegible]400px[illegible]800px[illegible]50%[illegible]1920px[illegible]Windows Vista[illegible]20%[illegible]

2.

[illegible]6[illegible]800px[illegible]1024px[illegible]1280px[illegible]1440px[illegible]1680px[illegible]1920px[illegible]1024px[illegible]

[illegible]

[illegible]javascript[illegible]css[illegible]

[illegible]Fluid Width Layout[illegible]

[illegible]

[illegible]css-tricks[illegible]

|image0|

3.

[illegible]**1024px**[illegible]1024x768[illegible]1[illegible]2[illegible]1024px[illegible]3[illegible]

[illegible]**780px-1260px**[illegible]780px[illegible]1280px[illegible]

[illegible]

4.

[illegible]CSS[illegible]4[illegible]body[illegible]div[illegible]

```
margin: 10px auto;
```

[illegible]

```
min-width: 780px;
max-width: 1260px;
```

[illegible]IE6[illegible]IE6[illegible]

```
width:expression(document.body.clientWidth 1262?
“1260px” : “auto”);
```

[illegible]IE6[illegible]CSS[illegible]javascript[illegible]

[illegible]

```
#div-left{
width:50%;
}
#div-right{
width:50%;
```

}

[illegible][illegible]780px-1260px[illegible]
[illegible]

5.

[illegible]

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2008/07/best_webpage_width_and_realization.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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1. ColorSchemer Gallery

[illegible]http://www.colorschemer.com/schemes/

[[illegible]] [illegible]

2. WebSite Color Picker

[illegible]http://www.digitdesigns.com/colrPick/framePic.htm

[[illegible]] [illegible]

3. ColorJack

[illegible]http://www.colorjack.com/sphere/

[[illegible]] [illegible]

4. Color Schemer Online

[illegible]http://www.colorschemer.com/online.html

[[illegible]] [illegible]

5. Color Palette Generator

[illegible]http://www.degraeve.com/color-palette/

[□□] □□□□□□□□□□□□□□□□□□Whats Its Color□Palette Generator□

6. I Like Your Colors

□□□http://redalt.com/Tools/I+Like+Your+Colors

[□□] □□□□□□□□□□□□□□□□

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Note

□□□□:
http://www.ruanyifeng.com/blog/2008/07/color_tools.html □
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[illegible]Choosing colors is art, not science[illegible]

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1. Color Wheel

[illegible]Color Wheel[illegible]

|image0|

[illegible]**PRIMARY COLORS**[illegible]

|Photobucket|

[illegible]**SECONDARY COLORS**[illegible]

|image2|

[illegible]6[illegible]**TERTIARY COLORS**[illegible]

|image3|

[illegible]Color Wheel[illegible]

2. [illegible]

12□□Color Wheel□□□□□□□□□□□□□□□□□□**analogous colors**□□
□□□□□□□□□□□□□□□□

|image4|

Color Wheel□□□□□□□□□□□□□□□□□**complementary colors**□□
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|image5|

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□**Triad**□□

|image6|

□□
□**split-complementary colors**□

|image7|

3. □□□□

□□□□□□□□□□□□□□RGB□CMYK□HSV□□□

4. RGB□□

RGB□Red□Green□Blue□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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RGB□□□□□□□□□□□□□□□□□□FFFFFF□□100%□□□□100%□□□□
100%□□□□□□□□□□000000□□0%□□□□0%□□□□0%□□□□□□□□□□

|image8|

5. HSV□□

H□□□Hue□□□□□□□”□□”□□□□□

|image9|

S□□□Saturation□□□□□□□□□□□□□□□□□□□□□□□□□gray□□□□□□□□□
□□

|image10|

V□□□Value□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□

|image11|

HSV□□□□□□□□□□□□□□□□□□□□□□□color wheel□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□Hue□□□□□□□□□□□□□□□□□□□Value□□

|image12|

6.CMYK□□

□□□□□□□□□□□□□□□□cyan, magenta, yellow, black□□□□□□□□□□
□□□□□□□

|image13|

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□□□□

|image14|

|image15|

|image16||image17||image18||image19|

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Note

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http://www.ruanyifeng.com/blog/2008/07/color_theory.html
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Php Spl□□

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□□□□□□□□PHP□□□□SPL□

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PHP5□□
SPL□□□□□

PHP SPL□□

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1. □□□SPL□
2. □□□Iterator□

□□□□ SPL Interfaces

3. Iterator□□
4. ArrayAccess□□
5. IteratorAggregate□□
6. RecursiveIterator□□
7. SeekableIterator□□
8. Countable□□

□□□□ SPL Classes

9. SPL□□□□

10. DirectoryIterator□
11. ArrayObject□
12. ArrayIterator□
13. RecursiveArrayIterator□□RecursiveIteratorIterator□
14. FilterIterator□
15. SimpleXMLIterator□
16. CachingIterator□
17. LimitIterator□
18. SplFileObject□

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1. □□□SPL□

SPL□Standard PHP Library□PHP□□□□□□□

□□□□□□□□□”a collection of interfaces and classes that are meant to solve standard problems”□□□□□□□□□□SPL□□□□□□□□□□object□□□□□array□□□□□□interfaces□classes□

2. □□□Iterator□

SPL□□□□□□Iterator□□□□□□Design Pattern□□□□Design Patterns□□□□□□Iterator□□□□”provide an object which traverses some aggregate structure, abstracting away assumptions about the implementation of that structure.”

wikipedia□□□”an iterator is an object which allows a programmer to traverse through all the elements of a collection, regardless of its specific implementation”.......”the iterator pattern is a design pattern in which iterators are used to access the elements of an aggregate object sequentially without exposing its underlying representation”.

□□□□□Iterator□□□

□□□□□□□□□□□□□□MySQL□□□□□□□□□□□□□□

```
// Fetch the "aggregate structure"
$result = mysql_query("SELECT * FROM users");

// Iterate over the structure
while ( $row = mysql_fetch_array($result) ) {
   // do stuff with the row here
}
```

□□□□□□□□□□□□□□□□□□

```
// Fetch the "aggregate structure"
$dh = opendir('/home/harryf/files');

// Iterate over the structure
while ( $file = readdir($dh) ) {
   // do stuff with the file here
}
```

□□□□□□□□□□□□□□□□□□□

```
// Fetch the "aggregate structure"
$fh = fopen("/home/hfuecks/files/results.txt", "r");

// Iterate over the structure
while (!feof($fh)) {

   $line = fgets($fh);
   // do stuff with the line here

}
```

□□□□□□□□□□□□□□□□□resource□□□□□□□□□□□□□□□□□□loop over contents□□□□Iterator□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□

□□□□ SPL Interfaces

3. Iterator□□

SPL□□□□□□□□Iterator□□□class□□□□□□foreach Loop□□Iterator□□□□□5□□□□□□□□□

```
* current()

  This method returns the current index's value. You are
solely
  responsible for tracking what the current index is as the
 interface does not do this for you.

* key()

  This method returns the value of the current index's key.
For
  foreach loops this is extremely important so that the key
  value can be populated.

* next()

  This method moves the internal index forward one entry.

* rewind()

  This method should reset the internal index to the first
element.

* valid()

  This method should return true or false if there is a
current
  element. It is called after rewind() or next().
```

□□□□□□□□□Iterator□□□class□□□

```
/**
* An iterator for native PHP arrays, re-inventing the wheel
*
* Notice the "implements Iterator" - important!
*/
class ArrayReloaded implements Iterator {

   /**
   * A native PHP array to iterate over
   */
```

```
 private $array = array();

   /**
   * A switch to keep track of the end of the array
   */
 private $valid = FALSE;

   /**
   * Constructor
   * @param array native PHP array to iterate over
   */
 function __construct($array) {
   $this->array = $array;
 }

   /**
   * Return the array "pointer" to the first element
   * PHP's reset() returns false if the array has no
elements
   */
 function rewind(){
 function rewind(){
   $this->valid = (FALSE !== reset($this->array));
 }

   /**
   * Return the current array element
   */
 function current(){
   return current($this->array);
 }

   /**
   * Return the key of the current array element
   */
 function key(){
   return key($this->array);
 }

   /**
   * Move forward by one
   * PHP's next() returns false if there are no more
elements
   */
 function next(){
```

```
 function next(){
   $this->valid = (FALSE !== next($this->array));
 }

   /**
   * Is the current element valid?
   */
 function valid(){
   return $this->valid;
 }
}
```

□□□□□□□

```
// Create iterator object
$colors = new ArrayReloaded(array ('red','green','blue',));

// Iterate away!
foreach ( $colors as $color ) {
 echo $color."";
}
```

□□□□□foreach□□□□□key()□□□

```
// Display the keys as well
foreach ( $colors as $key => $color ) {
 echo "$key: $color";
}
```

□□foreach□□□□□□□□□while□□□

```
// Reset the iterator - foreach does this automatically
$colors->rewind();

// Loop while valid
while ( $colors->valid() ) {

   echo $colors->key().": ".$colors->current()."";
   $colors->next();

}
```

□□□□□while□□□□□□foreach□□□□□□□□□□□□□□□□□

4. ArrayAccess□□

□□ArrayAccess□□□□□□□object□array□□□□□ArrayAccess□□□□□
□□□□□□□□□

```
* offsetExists($offset)

  This method is used to tell php if there is a value
  for the key specified by offset. It should return
  true or false.

* offsetGet($offset)

  This method is used to return the value specified
  by the key offset.

* offsetSet($offset, $value)

  This method is used to set a value within the object,
  you can throw an exception from this function for a
  read-only collection.

* offsetUnset($offset)

  This method is used when a value is removed from
  an array either through unset() or assigning the key
  a value of null. In the case of numerical arrays, this
  offset should not be deleted and the array should
  not be reindexed unless that is specifically the
  behavior you want.
```

□□□□□□□□ArrayAccess□□□□□□

```
/**
* A class that can be used like an array
*/
class Article implements ArrayAccess {

 public $title;

 public $author;

 public $category;

```

```
function __construct($title,$author,$category) {
  $this->title = $title;
  $this->author = $author;
  $this->category = $category;
}

/**
* Defined by ArrayAccess interface
* Set a value given it's key e.g. $A['title'] = 'foo';
* @param mixed key (string or integer)
* @param mixed value
* @return void
*/
function offsetSet($key, $value) {
  if ( array_key_exists($key,get_object_vars($this)) ) {
    $this->{$key} = $value;
  }
}

/**
* Defined by ArrayAccess interface
* Return a value given it's key e.g. echo $A['title'];
* @param mixed key (string or integer)
* @return mixed value
*/
function offsetGet($key) {
  if ( array_key_exists($key,get_object_vars($this)) ) {
    return $this->{$key};
  }
}

/**
* Defined by ArrayAccess interface
* Unset a value by it's key e.g. unset($A['title']);
* @param mixed key (string or integer)
* @return void
*/
function offsetUnset($key) {
  if ( array_key_exists($key,get_object_vars($this)) ) {
    unset($this->{$key});
  }
}

/**
* Defined by ArrayAccess interface
```

```
 * Check value exists, given it's key e.g.
isset($A['title'])
 * @param mixed key (string or integer)
 * @return boolean
 */
 function offsetExists($offset) {
   return array_key_exists($offset,get_object_vars($this));
 }

}
```

□□□□□□□

```
// Create the object
$A = new Article('SPL Rocks','Joe Bloggs', 'PHP');

// Check what it looks like
echo 'Initial State:';
print_r($A);
echo '';

// Change the title using array syntax
$A['title'] = 'SPL _really_ rocks';

// Try setting a non existent property (ignored)
$A['not found'] = 1;

// Unset the author field
unset($A['author']);

// Check what it looks like again
echo 'Final State:';
print_r($A);
echo '';
```

□□□□□□□

```
Initial State:

Article Object
(
   [title] => SPL Rocks
   [author] => Joe Bloggs
   [category] => PHP
```

```
)

Final State:

Article Object
(
   [title] => SPL _really_ rocks
   [category] => PHP
)
```

□□□□□$A□□□□□object□□□□□□□□array□□□□□

□□□□□□□□□□□□□□□□□□□□□

```
function offsetGet($key) {
   if ( array_key_exists($key,get_object_vars($this)) ) {
     return strtolower($this->{$key});
   }
 }
```

5. IteratorAggregate□□

□□□□□$A□□□□□□□□□□□□□□□foreach□□□□□□□□□□□□□Iterator□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□IteratorAggregate□□□
□□□□□□getIterator()□□□□□□□□□Iterator□□□object□

□□□□□□□Article□□□□

```
class Article implements ArrayAccess, IteratorAggregate {

/**
 * Defined by IteratorAggregate interface
 * Returns an iterator for for this object, for use with
foreach
 * @return ArrayIterator
 */
 function getIterator() {
   return new ArrayIterator($this);
 }
```

□□□□□□□

```
$A = new Article('SPL Rocks','Joe Bloggs', 'PHP');

// Loop (getIterator will be called automatically)
echo 'Looping with foreach:';
foreach ( $A as $field => $value ) {
 echo "$field : $value";
}
echo '';

// Get the size of the iterator (see how many properties are left)
echo "Object has ".sizeof($A->getIterator())." elements";
```

□□□□□□

```
Looping with foreach:

title : SPL Rocks
author : Joe Bloggs
category : PHP

Object has 3 elements
```

6. RecursiveIterator□□

□□□□□□□□□□□□□□□Iterator□□□□□□□□□□current()□key()□ next()□ rewind()□valid()□□□□□□□□□□□getChildren()□ hasChildren()□□□The getChildren() method must return an object that implements RecursiveIterator.

7. SeekableIterator□□

SeekableIterator□□□□Iterator□□□□□□□Iterator□5□□□□□□□□□ seek()□□□□□□□□□□□□□□□□□□□□□□□□□□□ OutOfBoundsException□

□□□□□□□□

```
rewind();
        $position = 0;

        while ($position < $index && $this->valid()) {
```

```
            $this->next();
            $position++;
        }

        if (!$this->valid()) {
            throw new OutOfBoundsException('Invalid
position');
        }
    }

    // Implement current(), key(), next(), rewind()
    // and valid() to iterate over data in $member
}

?>
```

8. Countable[illegible]

[illegible]count()[illegible]

[illegible] SPL Classes

9. SPL[illegible]

SPL[illegible]Interfaces[illegible]

[illegible]

```
$value)
        {
        echo $key.' -> '.$value.'';
        }
?>
```

10. DirectoryIterator[illegible]

[illegible]

```
';
        }
    }
/*** if an exception is thrown, catch it here ***/
```

```
catch(Exception $e){
    echo 'No files Found!';
}
?>
```

□□□□□□□□□□

```
getFilename()); echo '';
    echo 'getBasename() '; var_dump($file->getBasename());
echo '';
        echo 'isDot() '; var_dump($file->isDot()); echo '';
        echo '__toString() '; var_dump($file-
>__toString()); echo '';
        echo 'getPath() '; var_dump($file->getPath()); echo
'';
        echo 'getPathname() '; var_dump($file-
>getPathname()); echo '';
        echo 'getPerms() '; var_dump($file->getPerms());
echo '';
        echo 'getInode() '; var_dump($file->getInode());
echo '';
        echo 'getSize() '; var_dump($file->getSize()); echo
'';
        echo 'getOwner() '; var_dump($file->getOwner());
echo '';
        echo '$file->getGroup() '; var_dump($file-
>getGroup()); echo '';
        echo 'getATime() '; var_dump($file->getATime());
echo '';
        echo 'getMTime() '; var_dump($file->getMTime());
echo '';
        echo 'getCTime() '; var_dump($file->getCTime());
echo '';
        echo 'getType() '; var_dump($file->getType()); echo
'';
        echo 'isWritable() '; var_dump($file-
>isWritable()); echo '';
        echo 'isReadable() '; var_dump($file-
>isReadable()); echo '';
        echo 'isExecutable( '; var_dump($file-
>isExecutable()); echo '';
        echo 'isFile() '; var_dump($file->isFile()); echo
'';
        echo 'isDir() '; var_dump($file->isDir()); echo '';
        echo 'isLink() '; var_dump($file->isLink()); echo
```

```
'';
        echo 'getFileInfo() '; var_dump($file-
>getFileInfo()); echo '';
        echo 'getPathInfo() '; var_dump($file-
>getPathInfo()); echo '';
        echo 'openFile() '; var_dump($file->openFile());
echo '';
        echo 'setFileClass() '; var_dump($file-
>setFileClass()); echo '';
        echo 'setInfoClass() '; var_dump($file-
>setInfoClass()); echo '';
        }
}
?>
```

□□foreach□□□□□□□□□while□□□

```
';
    /*** move to the next iteration ***/
    $it->next();
    }
?>
```

□□□□□□□□□□□□□□valid()□□□□□□

```
';
                }
        /*** move to the next iteration ***/
        $it->next();
        }
?>
```

11. ArrayObject□

□□□□□□Array□□□object□

```
getIterator();
   /*** check if valid ***/
   $iterator->valid();
   /*** move to the next array member ***/
   $iterator->next())
    {
    /*** output the key and current array value ***/
    echo $iterator->key() . ' => ' . $iterator->current() .
```

```
'';
    }
?>
```

□□□□□□□

```
$arrayObj->append('dingo');
```

□□□□□□

```
$arrayObj->natcasesort();
```

□□□□□□□□

```
echo $arrayObj->count();
```

□□□□□□□

```
$arrayObj->offsetUnset(5);
```

□□□□□□□□□□

```
if ($arrayObj->offsetExists(3))
   {
      echo 'Offset Exists';
   }
```

□□□□□□□□□□□

```
$arrayObj->offsetSet(5, "galah");
```

□□□□□□□□□□□

```
echo $arrayObj->offsetGet(4);
```

12. ArrayIterator□

□□□□□□□□ArrayObject□□□□□□□□□□□□□□□

□□□□□

```
$value)
        {
        echo $key.' => '.$value.'';
        }
    }
catch (Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

ArrayIterator□□□□offset□□□□count()□□□

```
offSetExists(2))
    {
    /*** set the offset of 2 to a new value ***/
    $object->offSetSet(2, 'Goanna');
    }
   /*** unset the kiwi ***/
   foreach($object as $key=>$value)
        {
        /*** check the value of the key ***/
        /*** check the value of the key ***/
        if($object->offSetGet($key) === 'kiwi')
            {
            /*** unset the current key ***/
            $object->offSetUnset($key);
            }
        echo ''.$key.' - '.$value.''."\n";
        }
    }
catch (Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

13. RecursiveArrayIterator□□RecursiveIteratorIterator□

ArrayIterator□□ArrayObject□□□□□□□□□□□□□□□□□□□□□□□□□□
RecursiveIteratorIterator□□□□Iterator□□□□□□□Iterator□□
RecursiveIteratorIterator□

```
'butch', 'sex'=>'m', 'breed'=>'boxer'),
    array('name'=>'fido', 'sex'=>'m', 'breed'=>'doberman'),
    array('name'=>'girly','sex'=>'f', 'breed'=>'poodle')
);

foreach(new RecursiveIteratorIterator(new
RecursiveArrayIterator($array)) as $key=>$value)
    {
    echo $key.' -- '.$value.'';
    }
?>
```

14. FilterIterator□

FilterIterator□□□□□□□□□□□□□□accept()□□□□□□□□□□□□□□

□□□□□

```
'kiwi', 'kookaburra', 'platypus');

class CullingIterator extends FilterIterator{

/*** The filteriterator takes  a iterator as param: ***/
public function __construct( Iterator $it ){
  parent::__construct( $it );
}

/*** check if key is numeric ***/
function accept(){
  return is_numeric($this->key());
}

}/*** end of class ***/
$cull = new CullingIterator(new ArrayIterator($animals));

foreach($cull as $key=>$value)
    {
    {
    echo $key.' == '.$value.'';
    }
?>
```

□□□□□□□□□□□□□□

```
current() % 2 != 1)
    {
    return false;
    }
$d = 3;
$x = sqrt($this->current());
while ($this->current() % $d != 0 && $d < $x)
    {
    $d += 2;
    }
    }
 return (($this->current() % $d == 0 && $this->current() !=
$d) * 1) == 0 ? true : false;
}

}/*** end of class ***/

/*** an array of numbers ***/
$numbers = range(212345,212456);

/*** create a new FilterIterator object ***/
$primes = new primeFilter(new ArrayIterator($numbers));

foreach($primes as $value)
    {
    echo $value.' is prime.';
    }
?>
```

15. SimpleXMLIterator□

□□□□□□□xml□□□

□□□□□

```
      Phascolarctidae
      koala
      Bruce





      macropod
      kangaroo
```

Bruce

diprotodon
wombat
Bruce

macropod
wallaby
Bruce

dromaius
emu
Bruce

Apteryx
kiwi
Troy

kingfisher
kookaburra
Bruce

monotremes
platypus
Bruce

```
      arachnid
      funnel web
      Bruce
      8




XML;

/*** a new simpleXML iterator object ***/
try     {
       /*** a new simple xml iterator ***/
       $it = new SimpleXMLIterator($xmlstring);
       /*** a new limitIterator object ***/
       foreach(new RecursiveIteratorIterator($it,1) as
$name => $data)
          {
          echo $name.' -- '.$data.'';
          }
    }
catch(Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

new RecursiveIteratorIterator($it,1)[illegible]

[illegible]

```
$v)
            {
            echo $v->species.'';
            }
        }
    }
catch(Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

□□□□while□□□□□□

```
rewind(); $sxe->valid(); $sxe->next())
    {
    if($sxe->hasChildren())
        {
        foreach($sxe->getChildren() as $element=>$value)
          {
          echo $value->species.'';
          }
        }
     }
   }
catch(Exception $e)
   {
   echo $e->getMessage();
   }
?>
```

□□□□□□□□□□xpath□

```
xpath('animal/category/species');

    /*** iterate over the xpath ***/
    foreach ($foo as $k=>$v)
        {
        echo $v.'';
        }
    }
catch(Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

□□□□□□□□namespace□□□□

```
      Phascolarctidae
      Speed Hump
      koala
      Bruce
```

macropod
Boonga
kangaroo
Bruce

diprotodon
pot holer
wombat
Bruce

macropod
Target
wallaby
Bruce

dromaius
Road Runner
emu
Bruce

Apteryx
Football
kiwi
Troy

kingfisher
snaker
kookaburra
Bruce

```
      monotremes
      Swamp Rat
      platypus
      Bruce




      arachnid
      Killer
      funnel web
      Bruce
      8



XML;

/*** a new simpleXML iterator object ***/
try {
    /*** a new simpleXML iterator object ***/
    $sxi =  new SimpleXMLIterator($xmlstring);

    $sxi-> registerXPathNamespace('spec',
'http://www.exampe.org/species-title');

    /*** set the xpath ***/
    $result = $sxi->xpath('//spec:name');

    /*** get all declared namespaces ***/
   foreach($sxi->getDocNamespaces('animal') as $ns)
        {
        echo $ns.'';
        }

    /*** iterate over the xpath ***/
    foreach ($result as $k=>$v)
        {
        echo $v.'';
        }
    }
```

```
catch(Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

□□□□□□□

```
  koala
  kangaroo
  wombat
  wallaby
  emu
  kiwi
  kookaburra
  platypus
  funnel web

XML;

try {
    /*** a new simpleXML iterator object ***/
    $sxi =  new SimpleXMLIterator($xmlstring);

    /*** add a child ***/
    $sxi->addChild('animal', 'Tiger');

    /*** a new simpleXML iterator object ***/
    $new = new SimpleXmlIterator($sxi->saveXML());

    /*** iterate over the new tree ***/
    foreach($new as $val)
        {
        echo $val.'';
        }
    }
catch(Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

□□□□□

```
  koala
  kangaroo
  wombat
  wallaby
  emu
  kiwi
  kookaburra
  platypus
  funnel web

XML;

try {
    /*** a new simpleXML iterator object ***/
    $sxi =  new SimpleXMLIterator($xmlstring);

    /*** add an attribute with a namespace ***/
    $sxi->addAttribute('id:att1', 'good things',
'urn::test-foo');

    /*** add an attribute without a  namespace ***/
    $sxi->addAttribute('att2', 'no-ns');

    echo htmlentities($sxi->saveXML());
    }
catch(Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

16. CachingIterator□

□□□□□□hasNext()□□□□□□□□□□□□□□□□□

□□□□□

```
hasNext())
            {
            echo ',';
            }
        }
    }
catch (Exception $e)
```

```
    {
    echo $e->getMessage();
    }
?>
```

17. LimitIterator□

□□□□□□□□□□□□□□□□□□□□□offset□limit□□□□□SQL□□□limit□□□□□

□□□□□

```
$v)
    {
    echo $it->getPosition().'';
    }
?>
```

□□□□□□□

```
seek(5);
    echo $it->current();
    }
catch(OutOfBoundsException $e)
    {
    echo $e->getMessage() . "";
    }
?>
```

18. SplFileObject□

□□□□□□□□□□□□□□□

□□□□□

```
';
}
catch (Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

□□□□□□□□□□□□□□□□□

```
seek(3);

    echo $file->current();
        }
catch (Exception $e)
    {
    echo $e->getMessage();
    }
?>
```

[□□□□]

1. Introduction to Standard PHP Library (SPL), By Kevin Waterson

2. Introducing PHP 5’s Standard Library, By Harry Fuecks

3.The Standard PHP Library (SPL), By Ben Ramsey

4. SPL - Standard PHP Library Documentation

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2008/07/php_spl_notes.html □□: □□□

□□: □□□ http://www.me115.com

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2. sans-serif□□□□□□

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3. Handwritten Fonts□□□□□□□

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4. Fixed-width Fonts□□□□□□

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5. Novelty Fonts□□□□□□

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6. Dingbat Fonts□□□□□□

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1. Verdana

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|image5|

2. Trebuchet

Trebuchet□□□□□□□□□□□□□□

|image6|

3. Helvetica

Helvetica□□□□□□□□□□□□

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1. serif□

font-family: Garamond, serif; font-family: Georgia, serif;

font-family: ‘Times New Roman’, Times, serif; | font-family: ‘Bookman Old Style’, serif; | font-family: ‘Palatino Linotype’, ‘Book Antiqua’, Palatino, serif;

2.sans-serif□

font-family: Arial, Helvetica, sans-serif; font-family: ‘Arial

Black’, Gadget, sans-serif; font-family: Impact, Charcoal, sans-serif; font-family: ‘Lucida Sans Unicode’, ‘Lucida Grande’, sans-serif; font-family: ‘MS Sans Serif’, Geneva, sans-serif; font-family: ‘MS Serif’, ‘New York’, sans-serif; font-family: Symbol, sans-serif; font-family: Tahoma, Geneva, sans-serif; font-family: ‘Trebuchet MS’, Helvetica, sans-serif; font-family: Verdana, Geneva, sans-serif; | font-family: Webdings, sans-serif; | font-family: Wingdings, ‘Zapf Dingbats’, sans-serif;

3. □□□

font-family: ‘Comic Sans MS’, cursive;

4. □□□

font-family: Courier, monospace;
font-family: ‘Courier New’, Courier, monospace;
font-family: ‘Lucida Console’, Monaco, monospace;

[□□□□]

1. The Principles of Beautiful Typography, By Jason Beaird

2. The Anatomy of Web Fonts, By Andy Hume

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Note

□□□□: http://www.ruanyifeng.com/blog/2008/06/typography_notes.html □□: □□□

□□: □□□ http://www.me115.com

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Base64[illegible]

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1	B	18	S	35	j	52	0
2	C	19	T	36	k	53	1
3	D	20	U	37	l	54	2
4	E	21	V	38	m	55	3
5	F	22	W	39	n	56	4
6	G	23	X	40	o	57	5
7	H	24	Y	41	p	58	6
8	I	25	Z	42	q	59	7
9	J	26	a	43	r	60	8
10	K	27	b	44	s	61	9
11	L	28	c	45	t	62	+
12	M	29	d	46	u	63	/

13 N 30 e 47 v

14 O 31 f 48 w

15 P 32 g 49 x

16 Q 33 h 50 y

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Text content**Man**ASCII7797110Bit pattern010011010110000101101110Index1922546Base64-Encoded**TWFu**

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□”00111001 00001011 00100010 00100101”□□□□□□□□□□□57□
11□34□37□□□□□□Base64□□5□L□i□l□

□□□□□”□”□utf-8□□□□Base64□□□5Lil□

7.

□PHP□□□□□□□□□□□□□□Base64□□□base64_encode()□□□□□
base64_decode()□□□□□

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utf-8□□□□Base64□□□□□□□□□□□□□□□□□□utf-8□□□□

8.

□□□□□□□□Javascript□□□□Base64□□□

□□□□□□□□□□□utf-8□□□□□□□□□□□□□□□PHP□Javascript□□□□□□□Base64□□□

□□□□□□□□□□□□□Javascript□□□□□□□□□utf-16□□□□□□□□□□□□□□□□□□□□□□utf-8□□□□utf-16□□□□□□□□□□□□□□□□□□utf-16□□□□□utf-8□

□□□□□□□□□□□□Javascript□□□

```
/* utf.js - UTF-8 <=> UTF-16 convertion * * Copyright (C)
1999

Masanao Izumo * Version: 1.0 * LastModified: Dec
25 1999 | * This library is free. You can redistribute it
and/or modify it. | */

/* * Interfaces: * utf8 = utf16to8(utf16);
* utf16 = utf8to16(utf8);
*/
function utf16to8(str) {
var out, i, len, c;
out = “”; len = str.length; for(i = 0; i < len; i++) { c =

str.charCodeAt(i); if ((c >= 0x0001) && (c <= 0x007F))
{ out += str.charAt(i); } else if (c > 0x07FF) { out +=
String.fromCharCode(0xE0 | ((c » 12) & 0x0F)); out +=
String.fromCharCode(0x80 | ((c » 6) & 0x3F)); out +=
String.fromCharCode(0x80 | ((c » 0) & 0x3F)); } else {
out += String.fromCharCode(0xC0 | ((c » 6) & 0x1F));
out += String.fromCharCode(0x80 | ((c » 0) & 0x3F)); }
} | return out; | }

function utf8to16(str) {
var out, i, len, c;
var char2, char3;
```

```
out = “”; len = str.length; i = 0; while(i < len) { c =

str.charCodeAt(i++); switch(c » 4) { case 0: case 1:
case 2: case 3: case 4: case 5: case 6: case 7: //
0xxxxxxx out += str.charAt(i-1); break; case 12: case
13: // 110x xxxx 10xx xxxx char2 =
str.charCodeAt(i++); out += String.fromCharCode(((c &
0x1F) « 6) | (char2 & 0x3F)); break; case 14: // 1110
xxxx 10xx xxxx 10xx xxxx char2 = str.charCodeAt(i++);
char3 = str.charCodeAt(i++); out +=
String.fromCharCode(((c & 0x0F) « 12) | ((char2 & 0x3F)
« 6) | ((char3 & 0x3F) « 0)); break; | } | }

return out;
}
```

□□□□□□□□□□□□□□□□utf16to8()□□□utf-16□□utf-8□utf8to16□□□utf-8□□utf-16□

□□□□□□□□base64□□□□□□

```
/* Copyright (C) 1999 Masanao Izumo * Version: 1.0 *

LastModified: Dec 25 1999 | * This library is free. You
can redistribute it and/or modify it. | */

/* * Interfaces: * b64 = base64encode(data);
* data = base64decode(b64);
*/
var base64EncodeChars =

“ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrs
tuvwxyz0123456789+/”; var base64DecodeChars =
new Array( -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1,
-1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1,
-1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, -1, 62, -1, -1, -1, 63,
52, 53, 54, 55, 56, 57, 58, 59, 60, 61, -1, -1, -1, -1, -1,
```

-1, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15,
16, 17, 18, 19, 20, 21, 22, 23, 24, 25, -1, -1, -1, -1, -1, |
-1, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39,
40, | 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, -1, -1, -1,
-1, -1);

function base64encode(str) {
var out, i, len;
var c1, c2, c3;
len = str.length; i = 0; out = “”; while(i < len) { c1 =
len = str.length; i = 0; out = “”; while(i < len) { c1 =

str.charCodeAt(i++) & 0xff; if(i == len) { out +=
base64EncodeChars.charAt(c1 » 2); out +=
base64EncodeChars.charAt(c1 » 2); out +=
base64EncodeChars.charAt((c1 & 0x3) « 4); out +=
“==”; break; } c2 = base64EncodeChars.charAt((c1 &
0x3) « 4); out += “==”; break; } c2 =
str.charCodeAt(i++); if(i == len) { out +=
base64EncodeChars.charAt(c1 » 2); out +=
base64EncodeChars.charAt(((c1 & 0x3)« 4) | ((c2 &
0xF0) » 4)); out += base64EncodeChars.charAt((c2 &
0xF) « 2); out += “=”; break; } c3 =
str.charCodeAt(i++); out +=
base64EncodeChars.charAt(c1 » 2); out +=
base64EncodeChars.charAt(((c1 & 0x3)« 4) | ((c2 &
0xF0) » 4)); out += base64EncodeChars.charAt(((c2 &
0xF) « 2) | ((c3 & 0xC0) »6)); out +=
base64EncodeChars.charAt(c3 & 0x3F); } | return out; |
}

function base64decode(str) {
var c1, c2, c3, c4;
var i, len, out;
len = str.length; i = 0; out = “”; while(i < len) { /* c1 */
do

{ c1 = base64DecodeChars[str.charCodeAt(i++) & 0xff]; } while(i < { c1 = base64DecodeChars[str.charCodeAt(i++) & 0xff]; } while(i < len && c1 == -1); len && c1 == -1); | if(c1 == -1) | break;

/* c2 */ do { c2 = base64DecodeChars[str.charCodeAt(i++) &
/* c2 */ do { c2 = base64DecodeChars[str.charCodeAt(i++) &

0xff]; } while(i < len && c2 == -1); 0xff]; } while(i < len && c2 == -1); | if(c2 == -1) | break;

out += String.fromCharCode((c1 « 2) | ((c2 & 0x30) » 4));

/* c3 */ do { c3 = str.charCodeAt(i++) & 0xff; if(c3 == 61)
/* c3 */ do { c3 = str.charCodeAt(i++) & 0xff; if(c3 == 61)

return out; c3 = base64DecodeChars[c3]; } while(i < len && c3 == -1); -1); | if(c3 == -1) | break;

out += String.fromCharCode(((c2 & 0XF) « 4) | ((c3 & 0x3C) » 2));

/* c4 */ do { c4 = str.charCodeAt(i++) & 0xff; if(c4 == 61)
/* c4 */ do { c4 = str.charCodeAt(i++) & 0xff; if(c4 == 61)

return out; c4 = base64DecodeChars[c4]; } while(i < len && c4 == return out; c4 = base64DecodeChars[c4]; } while(i < len && c4 == -1); if(c4 == -1) break; out +=

```
String.fromCharCode(((c3 & 0x03) « 6) | c4); } | return
out; | }
```

□□□□□□base64encode()□□□□□base64decode()□□□□□

□□□□utf-8□□□□□□□□□□□

```
sEncoded=base64encode(utf16to8(str));
```

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```
sDecoded=utf8to16(base64decode(sEncoded));
```

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2008/06/base64.html □□:
□□□

□□: □□□ http://www.me115.com

Mime□□

ruanyifeng.com

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MIME□□

1.

MIME□□□□”Multipurpose Internet Mail Extensions”□□□□”□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□RFC 2045□RFC 2046□RFC 2047□RFC 4288□RFC 4289□RFC 2077□

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2.

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3.

□□□□□□□□□□□□□□□□

From: “Tommy Lee” To: “Jack Zhang” Subject: Test
Date: Wed, 17 May 2000 19:08:29 -0400
Message-ID:

Hello World.

□□□□□□□□□□□□□□□□□□lee@example.com□□□□□□□
zhang@example.com□□□□□□Test□□□□□□2000□5□17□□□□□□
□"Hello World."□

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□□□□□□□□□□□□□□□□□□"□□□□□□"□□□

4.

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MIME-Version: 1.0

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5.

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Content-Type: text/plain; charset="ISO-8859-1"

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Content-Type□□□□□□□□□□□□" text/plain"□□□□□□□□□□□□primary type□□□□□□□subtype□□□□□□□□□□□□□□"/"□□□□□□□□□9□□□□□
application□audio□example□image□message□model□
multipart□text□video□

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text/plain□□□□□□□□□□□.txt

text/html□HTML□□□□□□.htm□.html image/jpeg□jpeg□□□□□□□□□.jpg image/gif□GIF□□□□□□□□.gif audio/x-wave□WAVE□□□□□□□□□□□.wav audio/mpeg□MP3□□□□□□□□□□□□□□.mp3 | video/mpeg□MPEG□□□□□□□□.mpg | application/zip□PK-ZIP□□□□□□□□□.zip

□□□Content-Type□□□□□[□□]□[□□]□

□□□□□□□□”text”□□□□□□□”charset”□□□□ASCII□□□□□□”ISO-8859-1”□”UTF-8”□”GB2312”□□□

□□Content-Type□□□□□□□□□□□□□□□□HTTP□□□□□□□□□□□□□□HTTP□□□□□Content-Type□□□□□□□

6.

□□□□□□□□□□□□□□□ASCII□□□□□□□□MIME□□□□□□□

Content-transfer-encoding: base64

□□□□□□□□□□□Content-transfer-encoding□□□[5□]
——“7bit”□”8bit”□”binary”□”quoted-printable”□”base64”——□□”7bit”□□□□□□□□ASCII□□□□□□”quoted-printable”□”base64”□□□□□□□□□□□□□□□□□□□

7.

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Date: Wed, 18 Jun 2008 18:07:51 +0800 (CST) From: xxx To:

yifeng.ruan@gmail.com Message-ID: <14410503.1073611213783671983.JavaMail.coremail@bj163app54.163.com> <14410503.1073611213783671983.JavaMail.coremail@bj163app54.163.com> Subject: =?gbk?B?xOO6ww==?

= MIME-Version: 1.0 | Content-Type: multipart/alternative; | boundary=”——=_Part_287491_22998031.1213783671982”

———=_Part_287491_22998031.1213783671982
Content-Type: text/plain; charset=gbk
Content-Transfer-Encoding: base64
lAq4+b7dsr+209PQudi55raoo6yyu7XD1Nq12Le9yM66zs341b7Jz7nSz+DTprXEtqvO96Osx+vE

49TaxOO1xLKpv83W0AogIArW0Ln6yr2x6tPvIC0gyO7Su7fltcTN+MLnyNXWvgoKtcS12jEy1cXN
vMasyb6z/aOst/HU8s7Sw8fXt76/xOO1xM/gudjU8MjOoaPQu9C7us/X96OhtMvNvMas1Nq4vbz+
vMasyb6z/aOst/HU8s7Sw8fXt76/xOO1xM/gudjU8MjOoaPQu9C7us/X96OhtMvNvMas1Nq4vbz+ wO/D5g== ———=_Part_287491_22998031.1213783671982 | Content-Type: text/html; charset=gbk | Content-Transfer-Encoding: quoted-printable

=B8=F9=BE=DD=B2=BF=B6=D3=D3=D0=B9=D8=B9=E6=B6=A8=A3=AC=B2=BB=B5=C3=D4=
=DA=B5=D8=B7=BD=C8=CE=BA=CE=CD=F8=D5=BE=C9=CF=B9=D2=CF=E0=D3=A6=B5=C4=B6=AB=
=CE=F7=A3=AC=C7=EB=C4=E3=D4=DA=C4=E3=B5=C4=B2=A9=BF=CD=D6=D0

  ……

□□□□□□□□MIME□□□□

MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary=”——=_Part_287491_22998031.1213783671982”

“Content-Type: multipart/alternative;”□□□□□□□□□□□□□□□HTML□□□□□□□□□□□□□□□multipart/mixed□multipart/related□□□□□”□□□□□□□□□□□”□”□□□□□□□”□

“boundary=”——
=_Part_287491_22998031.1213783671982”

“□□□□□□□□□□□□□□□”——
=_Part_287491_22998031.1213783671982”□□□□□□□□□□□□□□□□□□

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    Content-Type: text/plain; charset=gbk
    Content-Transfer-Encoding: base64

□

    Content-Type: text/html; charset=gbk
    Content-Transfer-Encoding: quoted-printable

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[□□□□]

1. wikipedia□MIME□□
2. MIME FAQ
3. MIME□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2008/06/mime.html
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Firebug□□□□

ruanyifeng.com

[|firebug01.png|](firebug01.png)

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Firebug□□□□

□□□Estelle Weyl

□□□□□http://www.evotech.net/blog/2007/06/introduction-to-firebug/
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Firebug□Firefox□□□□□□□□□□□□Firebug lite□□□□□□javascript□
□□□□□□□□□□□□□□□Firefox□□□□□□□□□□□□□□□□□□

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Mozilla□FireFox Add-ons□□□□□□□□□□□□□□□FireFox□□□□□□□□

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  |firbug03.gif|

* □□Firebug□□F12□□□□□□□□□□□□□□|greencheck.gif|□□□□□□□□□Firebug□□□□□□|redx.gif|□□□□□□□

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Firebug□□□□□□

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Note

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http://www.ruanyifeng.com/blog/2008/06/firebug_tutorial.html □□: □□□

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  1□□□□□background-position: top left;

  2□□□□background-position: 0px 0px;

  3□□□□□background-position: 0% 0%;

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```
.box1, .box2, .box3, .box4 {        float:left;
width:100px;

      height:100px;        position:relative; |
background: #F3F2E2 url(1234.png) no-repeat; | }

.box1 {
      background-position:0% 0%;
}
.box2 {
      background-position:0% 33.33333%;
}
.box3 {
      background-position:0% 66.66666%;
}
.box4 {
      background-position:0% 100%;
}
```

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1. [CSS: Using Percentages in Background-Image]

2. [Creating Liquid Faux Columns]

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Note

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http://www.ruanyifeng.com/blog/2008/05/css_background_image_positioning.html □□: □□□

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Note

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http://www.ruanyifeng.com/blog/2008/05/growth_of_utf-8_on_the_web.html [illegible]: [illegible]

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Note

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http://www.ruanyifeng.com/blog/2008/03/googles_design_guidelines.html □□: □□□

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A. [illegible]Fast prototyping and implementation[illegible]

[illegible]

B. [illegible]Support for modern programming paradigms[illegible]

[illegible]object-oriented[illegible]

C. [illegible]Scalability[illegible]

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D. [illegible]Performance[illegible]

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E. [illegible]Interoperability[illegible]

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F. [illegible]Extensibilty[illegible]

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Note

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http://www.ruanyifeng.com/blog/2008/03/six_criteria_of_a_business-critical_programming_language.html □□: □□□

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dc:creator=”ruanyf” dc:date=”2006-02-25T20:52:32+08:00” />
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1. RDF Tutorial
2. W3C: RDF Primer

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Note

□□□□: http://www.ruanyifeng.com/blog/2008/02/rdf.html □□: □□□

□□: □□□ http://www.me115.com

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* W3C: Language tags in HTML and XML

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Note

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http://www.ruanyifeng.com/blog/2008/02/codes_for_language_names.html □□: □□□

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1.

Eric Raymond[illegible]（The Cathedral and the Bazaar）[illegible]

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Eric Raymond[illegible]

2.

[illegible]Email[illegible]

[illegible]A[illegible]B[illegible]”[illegible]”[illegible]

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3.

[illegible]Eric Raymond[illegible]10[illegible]

[illegible]

1[illegible]（It’s fairly clear that one cannot code from the ground up in bazaar style.）

2[illegible]It can be crude, buggy, incomplete, and poorly documented. What it must not fail to do is run.[illegible]

3[illegible]When you start community-building, what you need to be able to present is a plausible promise, and convince potential co-developers that it can be evolved into something really neat in the foreseeable future.[illegible]

4[illegible]it is not critical that the coordinator be able to originate designs of exceptional brilliance, but it is absolutely critical that the coordinator be able to recognize good design ideas from others.[illegible]

5[illegible]A bazaar project coordinator or leader must have good people and communications skills.[illegible]

4.

[illegible]Eric Raymond[illegible]

1[illegible]

2[illegible]

3[illegible]

4[illegible]

5[illegible]

5.

Eric Raymond[illegible]Linux[illegible]

Note

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http://www.ruanyifeng.com/blog/2008/02/notes_on_the_cathedral_and_the_bazaar.html :

: http://www.me115.com

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1. DOM Scripting: Web Design with JavaScript and the Document Object Model

□□□Jeremy Keith ISBN □1590595335
□□□□□20 September 2005

□□□http://domscripting.com/book/

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2. JavaScript: The Definitive Guide, Fifth Edition

□□□David Flanagan ISBN□ 0596101996
□□□□□01 August 2006

□□□http://www.oreilly.com/catalog/jscript5/

[illegible]”Javascript[illegible]”[illegible]1000[illegible]

3. Professional JavaScript for Web Developers

[illegible]Nicholas C. Zakas ISBN[illegible] 0764579088
[illegible]11 April 2005

[illegible]http://www.wrox.com/WileyCDA/WroxTitle/productCd-0764579088.html

[illegible]Javascript[illegible]

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[illegible]Javascript[illegible]

7. jQuery
8. Prototype

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2008/01/javascript_book_recommendation.html [illegible]: [illegible]

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[illegible]Google[illegible][illegible][illegible]”[illegible]”[illegible]Don’t be evil[illegible]

[illegible]”[illegible]”[illegible]

Google[illegible][illegible][illegible]Software Principles[illegible]”Don’t be evil”[illegible]

[illegible]Google[illegible]

Google[illegible]

1. [illegible]INSTALLATION[illegible]

We believe software should not trick you into installing it. It should be clear to you when you are installing or enabling software on your computer and you should have the ability to say no. An application shouldn’t install itself onto your computer secretly or by hiding within another program you’re installing or updating. You should be conspicuously notified of the functions of all the applications in a bundle.

[illegible]

2. [illegible]UPFRONT DISCLOSURE[illegible]

When an application is installed or enabled, it should inform you of its principal and significant functions. And if the application makes money by showing you advertising, it should clearly and conspicuously explain this. This information should be presented in a way that a typical user will see and understand — not buried in small print that requires you to scroll. For example, if the application is paid for by serving pop-up ads or sending your personal data to a third party, that should be made clear to you.

[illegible]

3. [illegible]SIMPLE REMOVAL[illegible]

It should be easy for you to figure out how to disable or delete an application. The process should try to remove sufficient components to disable all functions of the application, visible or not, without messing up your computer. Once an application is disabled or deleted, it should not remain active or be automatically enabled later by itself or another application.

[illegible]

4. [illegible]CLEAR BEHAVIOR[illegible]

Applications that affect or change your user experience should make clear they are the reason for those changes. For example, if an application opens a window, that window should identify the application responsible for it. Applications should not intentionally obscure themselves under multiple or confusing names. You should be given means to control the application in a straightforward

manner, such as by clicking on visible elements generated by the application. If an application shows you ads, it should clearly mark them as advertising and inform you that they originate from that application. If an application makes a change designed to affect the user experience of other applications (such as setting your home page) then those changes should be made clear to you.

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5. □□□SNOOPING□

If an application collects or transmits your personal information such as your address, you should know. We believe you should be asked explicitly for your permission in a manner that is obvious and clearly states what information will be collected or transmitted. For more detail, it should be easy to find a privacy policy that discloses how the information will be used and whether it will be shared with third parties.

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6. □□□□□□□□KEEPING GOOD COMPANY□

Application providers should not allow their products to be bundled with applications that do not meet these guidelines.

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Many internet users find that over time their computers become loaded with unwanted software - be it adware, spyware or just plain junk. This is because a few applications they installed came bundled with junk, and that junk generated more junk piled higher and deeper. We believe any situation where multiple applications are being installed should be made very clear to users, so that if you were to ask them several months later - “What’s this?” - most will know where it came from and why it is there.

[illegible]

Usually there are complex business relationships among the companies participating in a bundle. This can result in well-intentioned companies benefiting from the distribution or revenue generated by software that does not benefit you. Getting paid to distribute, or paying money to be distributed with undesirable software enables more undesirable software. Responsible software makers and advertisers can work to prevent such distribution by avoiding these types of business relationships, even if they are through intermediaries.

[illegible]

[illegible]Google[illegible]（pop-ups[illegible]Google[illegible]StopBadware.org[illegible]

[illegible]

Note

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http://www.ruanyifeng.com/blog/2007/12/google_s_software_principles.html □□: □□□

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Google Chart API

ruanyifeng.com

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cht=bvs& chco=ff0000& chf=c,s,76A4FB|bg,s,FFF2CC&

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http://www.ruanyifeng.com/blog/2007/12/google_chart_api.html □□: □□□

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[illegible]mvc[illegible]

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1.

[illegible]”[illegible]”[illegible]architectural pattern[illegible]

MVC[illegible]

[illegible]MVC[illegible]

2.

MVC[illegible]Model[illegible]View[illegible]Controller[illegible]

[illegible]

1[illegible]”[illegible]”[illegible]View[illegible]

2[illegible]”[illegible]”[illegible]Model[illegible]

3[illegible]”[illegible]”[illegible]Controller[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]Interface[illegible]

3.

[illegible]Windows[illegible]MVC[illegible]

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]MVC[illegible]

4.

[illegible]MVC[illegible]

[illegible]”[illegible]”[illegible]view[illegible]”[illegible]”[illegible]Model[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]MVC[illegible]

5.

[illegible]MVC[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]/[illegible]”[illegible]MVC[illegible]

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]

6.

[illegible]**MVC**[illegible]

[illegible]

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1. □□□□□□□□□□□□□□□□□□Brand=Interface□
2. □□□□□□□□□□□□□□□□□□□□Design is how it works□
3. □□□□□□□□□□□□□□□Simple is best□

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□□□□: http://www.ruanyifeng.com/blog/2007/07/three_principles_of_web_design.html □□: □□□

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[illegible]CamelCase[illegible]

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[illegible]"[illegible]"[illegible]CamelCase[illegible]backColor[illegible]color[illegible]

[illegible]sony[illegible]PlayStation[illegible]play[illegible]station[illegible]

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W3C[illegible]W3C[illegible]DOM[illegible]4[illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]

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Rfc2119□□□□□□□□

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RFC□Request For Comments□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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1. MUST

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2. MUST NOT

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SHALL NOT□□□□□

3. SHOULD

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RECOMMENDED□□□□□

4. SHOULD NOT

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NOT RECOMMENDED□□□□□

5. MAY

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OPTIONAL□□□□□

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1. RFC2119 □□□
2. RFC2119 □□□

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http://www.plaintxt.org Minimalism

Plaintxt.org Scott 2000 24.4K Modem 120K 1 3

Google

Plaintxt.org Scott "I am not a designer nor a coder. I'm just a guy with a point-of-view and a computer.

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Perl□□□□□Larry Wall□□□□□□□3□□□□ □□□□□□□□Laziness, Impatience and hubris□□

Laziness

The quality that makes you go to great effort to reduce overall energy expenditure. It makes you write labor-saving programs that other people will find useful, and document what you wrote so you don't have to answer so many questions about it. Hence, the first great virtue of a programmer, Also hence, this book.

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Impatience

The anger you feel when the computer is being lazy. This makes you write programs that don't just react to your needs, but actually anticipate them. Or at least pretend to. Hence, the second great virtue of a programmer.

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Hubris

Excessive pride, the sort of thing Zeus zaps you for. Also the quality that makes you write (and maintain) programs that other people won’t want to say bad things about. Hence, the third great virtue of a programmer.

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[illegible]Eric Raymond[illegible][illegible]

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Visual Basic[illegible]BASIC[illegible]

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C[illegible]perl[illegible]python[illegible]

Eric Raymond[illegible]

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C

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C[illegible]C[illegible]

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[illegible]C[illegible]

[illegible]C[illegible]1988[illegible]K&R[illegible]The C Programming Language.

[illegible]C[illegible]

C++

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[illegible]C++[illegible]C[illegible]C++[illegible]C[illegible]C++[illegible]C[illegible]

[illegible]OO[illegible]OO[illegible]C++[illegible]GUI[illegible]

C++ OO C++ C,
Fortran Ada C++ OO

C++ OO Lisp STL

C++ STL
new/delete C OO
C

C++

Java

Java OO
C++ OO

Python Java Java
scoping Interface
Java I/O

Java Windows DLL

Java C++
Java C++ OO Java

Java Perl, Python
Python C/C++
Perl Java Python
Java

Python

Python[illegible]C[illegible]C[illegible]C[illegible]C[illegible]

Python[illegible]Perl[illegible]lambda[illegible]Lisp[illegible]Python[illegible]Tk[illegible]GUI[illegible]

[illegible]Python[illegible]Java[illegible]Python[illegible]Java[illegible]Java[illegible]Python[illegible]

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javascript

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```
var a = undefined;

var a = null;
```

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undefined□null□if□□□□□□□□□□□□false□□□□□□□□□□□□□□□□□□□

```
if (!undefined)
    console.log('undefined is false');
// undefined is false

if (!null)
    console.log('null is false');
// null is false


undefined == null
// true
```

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□□undefined□null□□□JavaScript□□□□□□□□□□□□□□Google□□□□□JavaScript□□□□□□Dart

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```
Number(null)
// 0

5 + null
// 5
```

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□□□null□□Java□□□□□□□□□□□□□□□JavaScript□□□□□□□□□□□
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undefined□□□□□□**”□”**□□□□□□□□□□**NaN**□

```
Number(undefined)
// NaN

5 + undefined
// NaN
```

[illegible]

[illegible]null[illegible]undefined[illegible]

null[illegible]”[illegible]”[illegible]

[illegible]1[illegible] [illegible]

[illegible]2[illegible] [illegible]

```
Object.getPrototypeOf(Object.prototype)
// null
```

undefined[illegible]”[illegible]”[illegible]

[illegible]1[illegible]undefined[illegible]

[illegible]2) [illegible]undefined[illegible]

[illegible]3[illegible]undefined[illegible]

[illegible]4[illegible]undefined[illegible]

```
var i;
i // undefined

function f(x){console.log(x)}
f() // undefined

var  o = new Object();
o.p // undefined

var x = f();
x // undefined
```

[illegible]

Note

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|Event Loop|

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[|synchronous mode|]

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[|synchronous mode|]

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Event Loop□□□□□□□□□□□□□□□□[Wikipedia]□□□□□

> “**Event Loop**□□□□□□□□□□□□□□□□□□□□□□□a programming construct that waits for and dispatches events or messages in a program.□”

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□□□□□□I/O□□□□□□□□□□□”Event Loop□□”□□□□□”□□□□”□□

[|asynchronous mode|]

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□□□”[□□□□]“□asynchronous I/O□□”□□□□□”□non-blocking mode□□

□□□JavaScript□□□□□□□□□□□□□□□□□JavaScript□□□□□□□□□□□□□□□□
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node.js□□□□□□□□□□□□□□□□□□□□□□□

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Note

[illegible]:
http://www.ruanyifeng.com/blog/2013/10/event_loop.html
[illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

JavaScript[illegible]

ruanyifeng.com

[illegible]（Finite-state machine）[illegible]

[illegible]

* [illegible]（state）[illegible]
* [illegible]
* [illegible]（transition）[illegible]

[illegible]JavaScript[illegible]

[illegible]

[illegible]

```
var menu = {

    // [illegible]
    currentState: 'hide',

    // [illegible]
    initialize: function() {
        var self = this;
        self.on("hover", self.transition);
    },

    // [illegible]
    transition: function(event){
        switch(this.currentState) {
            case "hide":
                this.currentState = 'show';
                doSomething();
                break;
            case "show":
                this.currentState = 'hide';
```

```
            doSomething();
            break;
        default:
            console.log('Invalid State!');
            break;
    }
  }

};
```

[illegible]

[illegible]JavaScript[illegible]/[illegible]

[illegible]Javascript Finite State Machine[illegible]

[illegible]StateMachine[illegible]create[illegible]

```
var fsm = StateMachine.create();
```

[illegible]

```
var fsm = StateMachine.create({

  initial: 'green',

  events: [
    { name: 'warn',  from: 'green',  to: 'yellow' },
    { name: 'stop', from: 'yellow', to: 'red' },
    { name: 'ready',  from: 'red',    to: 'yellow' },
    { name: 'go', from: 'yellow', to: 'green' }
  ]

});
```

□□□□□□□□□□□initial□□green□events□□□□□□□□□□□□□□□□□□□□warn□□□□green□□□□yellow□□□stop□□□□yellow□□□□red□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□

* fsm.current □□□□□□□□□□ * fsm.is(s)

□□□□□□□□□□□□□□□s□□□□□□□□□ | * fsm.can(e) □□□□□□□□□□□□□□□e□□□□□□□□□□□□□ | * fsm.cannot(e) □□□□□□□□□□□□□□□e□□□□□□□□□□□□

Javascript Finite State Machine□□□□□□□□□□□□□□□□□□□□warn□□□□□

* onbefore**warn**□□warn□□□□□□□□□□
* onafter**warn**□□□□□onwarn□

□□warn□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□green□□□□□

* onleave**green** □□□□green□□□□□□□
* onenter**green**□□□□□ongreen□

□□□□green□□□□□□□

□□warn□□□□□□□green□□yellow□□□□□□□□□□□□□□□□□□□□□onbefore**warn** → onleave**green** → onenter**yellow** → onafter**warn**□

□□

* onbeforeevent □□□□□□□□□□□□□□ * onleavestate

□□□□□□□□□□□□□ | * onenterstate □□□□□□□□□□□□□ | * onafterevent □□□□□□□□□□□□□

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```
fsm.onleavegreen = function(){
   light.fadeOut('slow', function() {
      fsm.transition();
   });
   return StateMachine.ASYNC;
};
```

□□□□□□□□□□□□□□□□□□□□□□light.fadeOut□□□□□□□□□□□□□□□□□□□□□□□□□□StateMachine.ASYNC□□□□□□□□□□□□□□□□□□□□□□□□□transition□□□□□□□□□□□□□

Javascript Finite State Machine□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
var fsm = StateMachine.create({
   // ...
   error: function(eventName, from, to, args, errorCode,
errorMessage) {
      return 'event ' + eventName + ': ' + errorMessage;
   },
   // ...
});
```

□□□□□□□□□green□□□□□□□□□□□□warn□□□□□□□□□□□stop□□□□□□□□□□□□□□□□□□□

Javascript Finite State Machine□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2013/09/finite-state_machine_for_javascript.html □□: □□□

□□: □□□ http://www.me115.com

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```
http://example.com
```

□□□□□□□□□URL□□□□□□□□□

```
http://example.com#1
http://example.com#2
http://example.com#3
```

□□□□□□□□□□example.com□□□□□□□□□□□□□□□□□□□

□□□□□□□□□Google□□□”□□+□□□”□□□□

```
http://example.com#!1
```

□Google□□□□□□□URL□□□□□□□□□□□□

```
http://example.com/?_escaped_fragment_=1
```

□□□□AJAX□□□□□□□□□Google□□□□□□□□□□□”□□+□□□”□□□□□□□□
Twitter□□□□□□□□□□□

```
http://twitter.com/ruanyf
```

□□

```
http://twitter.com/#!/ruanyf
```

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Discourse□□□□□□□□□□□□Ajax□□□□□□□Google□□□□□□□□□□□□□□□□□□□□□□ [History API]□

□□ History API□□□□□□□□□□□□□□□□□□□□□□□□□URL(□□□□□□□□□□□□□□)□□□□□□[□□]□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□URL□□□□□□□□□□□□□□

History API □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□History□□□□□□□□□□□

```
window.history.pushState(state object, title, url);
```

□□□□□□□□□□□□□□□□□URL□History□□□pushState□□□□□□□□□□□URL□□□□□□□□□□□□□□□□□null□

```
window.history.pushState(null, null, newURL);
```

□□□□□□□□□□□□□□□□Chrome□26.0+□□Firefox□20.0+□□IE□10.0+□□Safari□5.1+□□Opera□12.1+□□

□□□□Robin Ward□□□□

□□□□**History API**□□□□□□□□□□□□□□□□□□□□**URL**□□□□□□□□□□□□□□□□□

```
example.com/1
example.com/2
example.com/3
```

□□□□□□□**JavaScript**□□□□□**Ajax**□□□□□□□□□□□□□□□□**jQuery**□□

```
function anchorClick(link) {
   var linkSplit = link.split('/').pop();
   $.get('api/' + linkSplit, function(data) {
```

```
        $('#content').html(data);
    });
}
```

□□□□□□click□□□

```
$('#container').on('click', 'a', function(e) {
    window.history.pushState(null, null,
$(this).attr('href'));
    anchorClick($(this).attr('href'));
    e.preventDefault();
});
```

□□□□□□□□□□□□□”□□ / □□”□□□□□□□□History□□□popstate□□□

```
window.addEventListener('popstate', function(e) {
    anchorClick(location.pathname);
  });
```

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□□□□□□□□□□□□URL□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□404□□□

```
... ...
```

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Note

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http://www.ruanyifeng.com/blog/2013/07/how_to_make_search_engines_find_ajax_content.html □□: □□□

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□□□□ jQuery-free□

ruanyifeng.com

jQuery□□□□□□□JavaScript□□□□

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jQuery□□□□□□□1□□□□□□□□□□□□□□□□□□jQuery□□□□□□DOM□□
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□□□JavaScript□□□□□□□□□□□□□□□□□□□□□□□□JavScript□□□□□□□□
□□□□□□□□□□□□□□□□jQuery□□□□□□

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□□□□DOM□□

jQuery□□□□□□□□□□□□□□DOM□□□□□□querySelectorAll□□□□□□□
□□

```
var $ = document.querySelectorAll.bind(document);
```

□□□□□□□□□querySelectorAll□□□□□□NodeList□□□□□□□□□□□□□□
□length□□□□□□□□□□□□□□pop□push□□□□□□□□□□□□□□□□□□□
Nodelist□□□□□□□

```
myList = Array.prototype.slice.call(myNodeList);
```

□□DOM□□

DOM□□□□□□□□□□□□□□□□□jQuery□□□□□□□□

□□□□DOM□□□

```
// jQuery□□
$(parent).append($(child));
// DOM□□
parent.appendChild(child)
```

□□□□DOM□□□

```
// jQuery□□
$(parent).prepend($(child));
// DOM□□
parent.insertBefore(child, parent.childNodes[0])
```

□□DOM□□□

```
// jQuery□□
$(child).remove()
// DOM□□
child.parentNode.removeChild(child)
```

□□□□□□□

jQuery□on□□□□□□□□addEventListener□□□

```
Element.prototype.on =
Element.prototype.addEventListener;
```

□□□□□□□□□□NodeList□□□□□□□□□□□

```
NodeList.prototype.on = function (event, fn) {
```

```
        [][‘forEach’].call(this, function (el) {
el.on(event, fn);            }); |            return this; |      };
```

□□□□□□□

jQuery□trigger□□□□□□□□□□□□□□□□□

```
    Element.prototype.trigger = function (type, data) {

        var event =
document.createEvent(‘HTMLEvents’);
event.initEvent(type, true, true);            event.data =
data || {};            event.eventName = type;
event.target = this;            this.dispatchEvent(event); |
        return this; |      };
```

□NodeList□□□□□□□□□□□

```
    NodeList.prototype.trigger = function (event) {

        [][‘forEach’].call(this, function (el) {
el[‘trigger’](event);            }); |            return this; |
    };
```

□□document.ready

□□□□□□□□□□JavaScript□□□□□□□□□□□□□□□□□□□□□
document.ready□□□jQuery□□□$(function)□□□□□□□□□□□□□□□□
□□DOM□□□□□□□□

□□attr□□

jQuery□□attr□□□□□□□□□□□□□

$(“#picture”).attr(“src”, “http://url/to/image”);

DOM□□□□□□□□□□□□□□□□□□□□

```
$("#picture").src = "http://url/to/image";
```

□□□□□□input□□□this.value□□□□□□□□□□□□□□□□□□□this.href□□□□□□□URL□□□□□□□□□□□□□□□□□□□□□□□□□□□□□this.getAttribute('value')□this.getAttibute('href')□

□□addClass□□

jQuery□addClass□□□□□□□DOM□□□□□□□class□

```
$('body').addClass('hasJS');
```

DOM□□□□□□□□□□□□□className□□□□□□□□□□□class□

```
document.body.className = 'hasJS';

// or

document.body.className += ' hasJS';
```

HTML 5□□□□□□classList□□□□□□□□□□□IE 9□□□□□□

```
document.body.classList.add('hasJS');

document.body.classList.remove('hasJS');

document.body.classList.toggle('hasJS');

document.body.classList.contains('hasJS');
```

□□CSS

jQuery□css□□□□□□□□□□□□□□□□□□

```
$(node).css( "color", "red" );
```

DOM□□□□□□style□□□□□□□□□□□□

```
element.style.color = "red";;
```

```
// or

element.style.cssText += ‘color:red’;
```

□□□□□□

jQuery□□□□□□□□□

```
$(“body”).data(“foo”, 52);
```

HTML 5□□□dataset□□□□□□□□□□□IE 10□□□□□□□□□□□□□□□

```
element.dataset.user = JSON.stringify(user);

element.dataset.score = score;
```

□□Ajax

jQuery□Ajax□□□□□□□□□□

```
    $.ajax({            type: “POST”,            url:
“some.php”,

        data: { name: “John”, location: “Boston” }
    }).done(function( msg ) { |          alert( “Data
Saved: ” + msg ); |     });
```

□□□□□□□□request□□□□□Ajax□□□

```
    function request(type, url, opts, callback) {

        var xhr = new XMLHttpRequest();

        if (typeof opts === ‘function’) {
callback =

opts; |              opts = null; |          }
```

```
            xhr.open(type, url);

            var fd = new FormData();

            if (type === 'POST' && opts) {                    for
   (var key in

   opts) {                          fd.append(key,
   JSON.stringify(opts[key])); |                    } |              }

            xhr.onload = function () {
                  callback(JSON.parse(xhr.response));
            };

            xhr.send(opts ? fd : null);

      }
```

□□□□□request□□□□□jQuery□get□post□□□

```
   var get = request.bind(this, 'GET');

   var post = request.bind(this, 'POST');
```

□□□□□

jQuery□animate□□□□□□□□□□□□

```
   $foo.animate('slow', { x: '+=10px' })□
```

jQuery□□□□□□□□□□□□DOM□□□□□□CSS 3□□□□□DOM□□□□□□□□□□□□□□CSS□□□□□□□DOM□□□class□□□□□□□

```
   foo.classList.add('animate')□
```

□□□□□□□□□□□□□□CSS 3□□□□□□□□□□

```
el.addEventListener(“webkitTransitionEnd”, transitionEnded);

el.addEventListener(“transitionend”, transitionEnded);
```

□□□□□□□

□□jQuery□□□□□□□□□□□□□□

□□□□□□□□zepto.js□□□□□□□□□□□□□□□□□□□□□jQuery□API□zepto.js 1.0□□□□□□□55KB□□□□□29KB□gzip□□□□10KB□

□□□□□□□□□□□□□□jQuery□□□□□□□□□min.js□□□□□200□□□□dolla□□□□1.7KB□

□□□jQuery□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□github□□□□□□□□□□Web□□□

□□□□□□□

- Remy Sharp□`I know jQuery. Now

what? <http://remysharp.com/2013/04/19/i-know-jquery-now-what/>`__ | - Hemanth.HM□Power of Vanilla JS |
- Burke Holland□5 Things You Should Stop Doing With jQuery

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2013/05/jquery-free.html □□: □□□

□□: □□□ http://www.me115.com

JavaScript Source Map □□

ruanyifeng.com

□□□jQuery 1.9□□□

□□2.0□□□□□□□□□□□□□□□□□□□□□□□□□Source Map□

□□
http://ajax.googleapis.com/ajax/libs/jquery/1.9.0/jquery.min.js□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
//@ sourceMappingURL=jquery.min.map
```

□□□Source Map□□□□□□□□map□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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JavaScript□□
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32KB□

　　□2□□□□□□□□□□HTTP□□□□

　　□3□□□□□□□□JavaScript□□□□□□□□□CoffeeScript□

□□□□□□□□□□□□□□□□□□□□□□□□□□□debug□□□□□□□□

JavaScript

jQuery 1.9 3 3

Source map

Source map

Source map

Chrome Developer Tools Setting

"Enable source maps"

Source map

```
//@ sourceMappingURL=/path/to/file.js.map
```

map

Source map

Google [Closure]

```
java -jar compiler.jar \ —js script.js \
    —create_source_map ./script-min.js.map \ |
    —source_map_format=V3 \ | —
js_output_file script-min.js
```

- js□ □□□□□□□□ - create_source_map□

□□□source map□□ | - source_map_format□source map□□□□□□□□□□V3□ | - js_output_file□ □□□□□□□□□

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□□Source map□□□

□□Source map□□□□□□□□□□□□

{ version : 3, file: “out.js”,

sourceRoot : “”, sources: [“foo.js”, “bar.js”], names: [“src”, “maps”, “are”, “fun”], | mappings: “AAgBC,SAAQ,CAAEA” | }

□□□□□□□□JavaScript□□□□□□□□□□□□□□□□□□□□□□□

- version□Source map□□□□□□□3□

- file□□□□□□□□□

- sourceRoot□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

- sources□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

- names□□□□□□□□□□□□□□□

- mappings□□□□□□□□□□□□□□□□□□□□

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□□□□map□□□mappings□□□□□□□□□□□□□□□□□□□□

[illegible]**[illegible]**[illegible];[illegible]

[illegible]**[illegible]**[illegible],[illegible]

[illegible]**[illegible]**[illegible][VLQ[illegible]][illegible]

[illegible]mappings[illegible]

mappings:”AAAAA,BBBBB;CCCCC”

[illegible]

[illegible]

[illegible]

[illegible]

- [illegible]
- [illegible]sources[illegible]
- [illegible]
- [illegible]
- [illegible]names[illegible]

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[illegible]AAAAA[illegible]A[illegible]VLQ[illegible]0[illegible]0[illegible]0[illegible]sources[illegible]0[illegible]0[illegible]0[illegible]names[illegible]0[illegible]

[illegible]VLQ[illegible]

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[illegible]MIDI[illegible]

VLQ[illegible]-15[illegible]+15[illegible]6[illegible]Base 64[illegible]

[illegible]6[illegible]”[illegible]”[illegible]continuation[illegible]1[illegible]6[illegible]0[illegible]6[illegible]

```
Continuation      |          Sign      |          |
V            V
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```

[illegible]6[illegible]6[illegible]VLQ[illegible]”[illegible]”[illegible]sign[illegible]0[illegible]1[illegible]Source map[illegible]0[illegible]

[illegible]VLQ[illegible]

[illegible]16[illegible]VLQ[illegible]

[illegible]16[illegible]10000[illegible]

[illegible]16[illegible]0[illegible]0[illegible]100000[illegible]

[illegible]5[illegible]1[illegible]00000[illegible]5[illegible]0[illegible]00001[illegible]00000[illegible]

[illegible]00000[illegible]00001[illegible]

[illegible]”[illegible]”[illegible]0[illegible]1[illegible]100000[illegible]000001[illegible]

[illegible]Base 64[illegible]

[illegible]100000[illegible]g[illegible]000001[illegible]B[illegible]16[illegible]VLQ[illegible]gB[illegible]base64-vlq.js[illegible]

[illegible]

- `_Introduction To JavaScript Source

Maps <http://www.html5rocks.com/en/tutorials/developertools/sourcemaps/>`__ | - Source Map Revision 3 Proposal

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2013/01/javascript_source_map.html □□: □□□

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Javascript □□□□□□

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- □□□□□□□□□□□□□□□
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“□□□□”□□□Javascript□□□□□□□□□□□□□□□□□□□IE 10□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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```
”use strict”;
```

□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□

“□□□□”□□□□□□□□□□□□□□□□□

3.1 □□□□□□□□

□”use strict”□□□□□□□□□□□□□□□□□□□□”□□□□”□□□□□□□□□□□□□□□
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□□□□□□□□□□□□□□□□□□Javascript□□□□□□script□□□□□□□□□□□□□□

3.2 □□□□□□

□”use strict”□□□□□□□□□□□□□□□□□”□□□□”□□□

```
function strict(){              ”use strict”;
      return “□□□□□□□”;
}
function notStrict() {
      return “□□□□□□□”;
}
```

3.3 □□□□□□□□□

□□
□□□□□□□

```
(function (){
      ”use strict”;
      // some code here
 })();
```

□□□□□□□□□

□□□□□Javascript□□□□□□□□□□□□□□□

4.1 □□□□□□□□

严格模式下，变量都必须先用var命令声明，然后再使用。在严格模式下，禁止这种用法，全局变量必须显式声明。

“use strict”;

v = 1; // 报错，v未声明

for(i = 0; i   }

因此，严格模式下，变量都必须先用var命令声明，然后再使用。

4.2 静态绑定

Javascript语言的一个特点，就是允许”动态绑定”，即某些属性和方法到底属于哪一个对象，不是在编译时确定的，而是在运行时（runtime）确定的。

严格模式对动态绑定做了一些限制。某些情况下，只允许静态绑定。也就是说，属性和方法到底归属哪个对象，在编译阶段就确定。这样做有利于编译效率的提高，也使得代码更容易阅读，更少出现意外。

具体来说，涉及以下几个方面。

（1）禁止使用with语句

因为with语句无法在编译时就确定，属性到底归属哪个对象。

```
”use strict”;

var v = 1;

with (o){ // 语法错误
      v = 2;
}
```

（2）创设eval作用域

正常模式下，Javascript语言有两种变量作用域（scope）：全局作用域和函数作用域。严格模式创设了第三种作用域：eval作用域。

□□□□□□eval□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□eval□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□eval□□□

```
”use strict”;

var x = 2;

console.info(eval(“var x = 5; x”)); // 5

console.info(x); // 2
```

4.3 □□□□□□□

□1□□□this□□□□□□□□□

```
    function f(){        return !this;
    }
    // □□false□□□”this”□□□□□□□”!this”□□false
    function f(){        ”use strict”;
return !this;
    }
    //
```

□□true□□□□□□□□□this□□□undefined□□□”!this”□true□

□□□□□□□□□□□□□□□□new□this□□□□□□□□□□□□□□

```
function f(){

    ”use strict”;

    this.a = 1;

};

f();// □□□this□□□
```

□2□□□□□□□□□□□□□

```
function f1(){

    ”use strict”;

    f1.caller; // □□

    f1.arguments; // □□

}

f1();
```

4.4 □□□□□□

□□□□□□□□□□□□□□configurable□□□true□□□□□□□□□□□□

```
    ”use strict”;

    var x;

    delete x; // □□□□

    var o = Object.create(null, ‘x’, {            value:
1,
            configurable: true
    });

    delete o.x; // □□□□
```

4.5 □□□□

□□□

```
    ”use strict”;
    var o = {};

    Object.defineProperty(o, “v”, { value: 1, writable:
false });
```

```
o.v = 2; // [illegible]
```

[illegible]getter[illegible]

```
"use strict";        var o = {
      get v() { return 1; }

};

o.v = 2; // [illegible]
```

[illegible]

```
"use strict";

var o = {};

Object.preventExtensions(o);

o.v = 1; // [illegible]
```

[illegible]

```
"use strict";

delete Object.prototype; // [illegible]
```

4.6 [illegible]

[illegible]

[illegible]1[illegible]

[illegible]

```
"use strict";

var o = {            p: 1,
      p: 2
```

```
}; // □□□□
```

□2□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□arguments[i]□□□□□□□□□□□□□□□□□

```
"use strict";

function f(a, a, b) { // □□□□

    return ;

}
```

4.7 □□□□□□□□

□□□□□□□□□□□□□□□0□□□□□□□□□□□□0100□□□□□□64□□□□□□□□□□□□□□□□□□□□0□□□□□

```
"use strict";

var n = 0100; // □□□□
```

4.8 arguments□□□□□

arguments□□□□□□□□□□□□□□□□□□□□□□□

□1□□□□□arguments□□

```
"use strict";

arguments++; // □□□□

var obj = { set p(arguments) { } }; // □□□□

try { } catch (arguments) { } // □□□□

function arguments() { } // □□□□
```

```
    var f = new Function("arguments", "'use strict'; return 17;"); // □□□□
```

□2□arguments□□□□□□□□□

```
function f(a) {
    a = 2;
    return [a, arguments[0]];
}
f(1); // □□□□□[2,2]
function f(a) {
    "use strict";
    a = 2;
    return [a, arguments[0]];
}
f(1); // □□□□□[2,1]
```

□3□□□□□arguments.callee

□□□□□□□□□□□□□□□□□□□□□

```
"use strict";
var f = function() { return arguments.callee; };
f(); // □□
```

4.9 □□□□□□□□□

□□Javascript□□□□□□□”□□□□□”□□□

```
”use strict”;

if (true) {

    function f() { } // □□□□

}

for (var i = 0; i

    function f2() { } // □□□□

}
```

4.10 □□□

□□□□□Javascript□□□□□□□□□□□□□□□□□□□□implements, interface, let, package, private, protected, public, static, yield□

□□□□□□□□□□□□□□□

```
function package(protected) { // □□□□

    ”use strict”;

    var implements; // □□□□

}
```

□□□ECMAscript□□□□□□□□□□□□□□□□class, enum, export, extends, import, super□□□□□□□□□□□□□□const□□□□□□□□□□□□□□□

□□□□□□

- MDN, `_Strict

mode <https://developer.mozilla.org/en-US/docs/JavaScript/Reference/Functions_and_function_scope/Strict_mode>`__ | - Dr. Axel Rauschmayer□JavaScript’s strict mode: a summary | - Douglas Crockford, Strict Mode Is Coming To Town

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2013/01/javascript_strict_mode.html □□: □□□

□□: □□□ http://www.me115.com

Javascript[illegible] require.js[illegible]

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[illegible][illegible][illegible][illegible][illegible]Javascript[illegible]

[illegible]require.js[illegible]

[illegible]require.js[illegible]

[illegible]Javascript[illegible]

[illegible]js[illegible]

[illegible]js[illegible]1.js[illegible]2.js[illegible]

require.js[illegible]

[illegible]1[illegible]js[illegible]

[illegible]2[illegible]

[illegible]require.js[illegible]

[illegible]require.js[illegible][illegible][illegible]

[illegible]js[illegible]

[illegible]

async[illegible]IE[illegible]defer[illegible]defer[illegible]

[illegible]require.js[illegible]main.js[illegible]js[illegible]

data-main[illegible]js[illegible]main.js[illegible]require.js[illegible]require.js[illegible]js[illegible]main.js[illegible]main[illegible]

[illegible]

[illegible]main.js[illegible]”[illegible]”[illegible]C[illegible]main()[illegible]

[illegible]main.js[illegible]

[illegible]javascript[illegible]

```
// main.js

alert(“[illegible]”);
```

[illegible]require.js[illegible]AMD[illegible]require()[illegible]

```
// main.js

require([‘moduleA’, ‘moduleB’, ‘moduleC’], function (moduleA, moduleB, moduleC){

    // some code here

});
```

require()[illegible][‘moduleA’, ‘moduleB’, ‘moduleC’][illegible]

□□
□□

require()□□□□moduleA□moduleB□moduleC□□□□□□□□□□□□□□□
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□□□□□□□□□□□□□□

□□□□□□□jquery□underscore□backbone□□□□□□main.js□□□□□□□

```
require([‘jquery’, ‘underscore’, ‘backbone’], function ($, _, Backbone){

    // some code here

});
```

require.js□□□□jQuery□underscore□backbone□□□□□□□□□□□□□□
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□□□□□□□□□□□□□□□□□□□[‘jquery’, ‘underscore’, ‘backbone’]□□
□□□□□require.js□□□□□□□□main.js□□□□□□□□□□□□□jquery.js□
underscore.js□backbone.js□□□□□□□□

□□require.config()□□□□□□□□□□□□□□□□□□□□□require.config()□□
□□□□□main.js□□□□□□□□□□□□□□□□□□□paths□□□□□□□□□□□□□□

```
require.config({

    paths: {

        ”jquery”: “jquery.min”,
        ”underscore”: “underscore.min”,
        ”backbone”: “backbone.min”

    }
```

```
});
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□main.js□□□□□□□□js□□□□□□□□□□□□□□□□□
□□□□□□js/lib□□□□□□□□□□□□□□□□□□□□□□□□□

```
require.config({

    paths: {

        "jquery": "lib/jquery.min",
        "underscore": "lib/underscore.min",
        "backbone": "lib/backbone.min"

    }

});
```

□□□□□□□□□□□□□baseUrl□□

```
require.config({

    baseUrl: "js/lib",

    paths: {

        "jquery": "jquery.min",
        "underscore": "underscore.min",
        "backbone": "backbone.min"

    }

});
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
require.config({

    paths: {
```

”jquery”: “https://ajax.googleapis.com/ajax/libs/jquery/1.7.2/jquery.min”

}

});

require.js□□□□□□□□□□□□□js□□□□□□□□□□□□□□□□□□□□□□□HTTP□□□□□□□□□□□□□□□□□require.js□□□HTTP□□□□

□□AMD□□□□□

require.js□□□□□□□□AMD□□□□□□□□□□□□□□AMD□□□□□□

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```
// math.js

define(function (){

    var add = function (x,y){

        return x+y;

    };

    return {

        add: add
    };

});
```

□□□□□□□

```
// main.js
require([‘math’], function (math){
    alert(math.add(1,1));
});
```

□□□□□□□□□□□□□□□□define()□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
define([‘myLib’], function(myLib){
    function foo(){
        myLib.doSomething();
    }
    return {
        foo : foo
    };
});
```

□require()□□□□□□□□□□□□□□□□□□□myLib.js□□□

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□□□□require.js□□□□□□□□□□□AMD□□□□define()□□□□□□□□□□□□
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require.js□□□□□□□□□□□□□□

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□□□□□□□require()□□□□□□□□require.config()□□□□□□□□□□□□□

□□□□□underscore□backbone□□□□□□□□□□AMD□□□□□□□□□□□□□
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```
require.config({

    shim: {           'underscore':{
            exports: '_'
        },
        'backbone': {                deps:
 ['underscore',

 'jquery'], |                exports: 'Backbone' |
        }

    }

});
```

require.config()□□□□□□□□□□□□□□□□□□□□□paths□□□□□□□□□
shim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1□exports□□□□□□□
□□□□□□□□□□□□□□□□□□□2□deps□□□□□□□□□□□□□

□□□jQuery□□□□□□□□□□

```
 shim: {

    'jquery.scroll': {

        deps: ['jquery'],

        exports: 'jQuery.fn.scroll'

    }

 }
```

□□require.js□□

require.js□□□□□□□□□□□□□□□□□□□

domready□□□□□□□□□□□□□DOM□□□□□□□□□□□

```
require([‘domready!’], function (doc){

    // called once the DOM is ready

});
```

text□image□□□□□□□require.js□□□□□□□□□□

```
    define([

        ’text!review.txt’,

        ’image!cat.jpg’

        ],
        function(review,cat){

            console.log(review);

            document.body.appendChild(cat);

        }

    );
```

□□□□□□□json□mdown□□□□□json□□□markdown□□□

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2012/11/require_js.html □
□: □□□

Javascript□□□□□□□□□AMD□□

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□□□□□□Javascript□□□□□□□□□□□□□□□□□□□□□

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□□□CommonJS□□□

□□CommonJS

2009□□□□□□□Ryan Dahl□□□node.js□□□□javascript□□□□□□□□□
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□□□”Javascript□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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node.js□□□□□□□□□□CommonJS□□□□□□□CommonJS□□□□□□□□□
□require()□□□□□□□□□□□□□□□□□math.js□□□□□□□□□□□□

```
var math = require('math');
```

□□□□□□□□□□□□□□□□

```
var math = require(‘math’);

math.add(2,3); // 5
```

□□□□□□□□□□□□□□□□□□□node.js□□□□CommonJS□□□□□□□□□□□□□□□□□□require()□□□□□□□□□□

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□□□□□□□□□□□□□□□CommonJS□□

```
var math = require(‘math’);

math.add(2, 3);
```

□□□math.add(2, 3)□□□□□require(‘math’)□□□□□□□□□□math.js□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□□AMD

AMD□”Asynchronous Module Definition”□□□□□□□□□”□□□□□□”□□□

AMD□□□require()□□□□□□□□□□□□CommonJS□□□□□□□□□

```
require([module], callback);
```

□□□□□[module]□□□□□□□□□□□□□□□□□□□□□□□□□□callback□□□□□□□□□□□□□□□□□□□□□□□□□□AMD□□□□□□□□□□

```
require([‘math’], function (math) {

      math.add(2, 3);

});
```

math.add()□math□□□□□□□□□□□□□□□□□□□□□□□□□□AMD□□□□□□□□□□

□□□□□□□□Javascript□□□□AMD□□□require.js□curl.js□□□□□□□□□□□□□□□require.js□□□□□□AMD□□□□□□□□□□□□□□□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2012/10/asynchronous_module_definition.html □□: □□□

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Javascript[illegible]

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[illegible]"[illegible]"[illegible]Javascript[illegible]

[illegible]……[illegible]

Javascript[illegible]

[illegible]Javascript[illegible]"[illegible]"[illegible]class[illegible]"[illegible]"[illegible]module[illegible]ECMAScript[illegible]"[illegible]"[illegible]"[illegible]"[illegible]

Javascript[illegible]"[illegible]"[illegible]
Javascript[illegible]
Javascript[illegible]

[illegible]

[illegible]

[illegible]

```
function m1(){
　　//...
}
function m2(){
　　//...
}
```

[illegible]m1()[illegible]m2()[illegible]

□□□□□□□□□□□□”□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□

```
var module1 = new Object({

    _count : 0,

    m1 : function (){
        //...
    },
    m2 : function (){
        //...
    }

});
```

□□□□□m1()□m2(□□□□□□module1□□□□□□□□□□□□□□□□□□□□□□

```
module1.m1();
```

□□
□□

```
module1._count = 5;
```

□□□□□□□□□□

□□”□□□□□□“□Immediately-Invoked Function Expression□
IIFE□□□□□□□□□□□□□□□□□

```
var module1 = (function(){

    var _count = 0;
```

```
        var m1 = function(){
            //...
        };
        var m2 = function(){
            //...
        };
        return {                    m1 : m1,
            m2 : m2
        };

    })();
```

□□□□□□□□□□□□□□□□□□□□_count□□□

```
console.info(module1._count); //undefined
```

module1□□Javascript□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□

□□”□□□
□”□augmentation□□

```
    var module1 = (function (mod){

        mod.m3 = function () {
            //...
        };

        return mod;

    })(module1);
```

□□□□□□module1□□□□□□□□□□□m3()□□□□□□□module1□□□

□□□□□□□□**Loose augmentation**□

[illegible]”[illegible]”[illegible]

```
var module1 = ( function (mod){

      //...

      return mod;

})(window.module1 || {});
```

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]

[illegible]

[illegible]

```
var module1 = (function ($, YAHOO) {

      //...

})(jQuery, YAHOO);
```

[illegible]module1[illegible]jQuery[illegible]YUI[illegible]module1[illegible]Ben Cherry[illegible][[illegible]JavaScript Module Pattern: In-Depth[illegible]][illegible]

[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2012/10/javascript_module.html [illegible]: [illegible]

XMLHttpRequest Level 2 □□□□

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XMLHttpRequest□□□□□□□□□□□Javascript□□□□HTTP(S)□□□

□□□□□□IE 5□□□□□□□□□□□□□□□□□□□□□□□□□□□ajax□□□□□□□□□

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□□□□□□□□□□□2008□2□□□□□□XMLHttpRequest Level 2 □□□

□□XMLHttpRequest□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□

□□□□□□XMLHttpRequest□□

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□□□□□□□XMLHttpRequest□□□□

```
var xhr = new XMLHttpRequest();
```

□□□□□□□□□□□□HTTP□□□

```
xhr.open('GET', 'example.php');

xhr.send();
```

□□□□□□□□□□□□□□□□□□□□□XMLHttpRequest□□□□□□□□□□□□□□□

```
xhr.onreadystatechange = function(){

    if ( xhr.readyState == 4 && xhr.status == 200 ) {
```

```
            alert( xhr.responseText );
        } else {
            alert( xhr.statusText );
        }
    };
```

[illegible]XMLHttpRequest[illegible]

* xhr.readyState[illegible]XMLHttpRequest[illegible]4[illegible]

* xhr.status[illegible]200[illegible]

* xhr.responseText[illegible]

* xhr.responseXML[illegible]XML[illegible]

* xhr.statusText[illegible]

[illegible]

[illegible]XMLHttpRequest[illegible]

* [illegible]

* [illegible]

* [illegible]“[illegible]”[illegible]Same Origin Policy[illegible]

[illegible]

[illegible]XMLHttpRequest[illegible]

* [illegible]HTTP[illegible]

* □□□□FormData□□□□□□□□□

* □□□□□□□

* □□□□□□□□□□□□□□□□□□□

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□□**HTTP**□□□□□

□□□ajax□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□XMLHttpRequest□□□□□□timeout□□□□□□□HTTP□□□□□□

```
xhr.timeout = 3000;
```

□□□□□□□□□□□□□□□3000□□□□□□□□□□□□□□□HTTP□□□□□□□□□□□□
timeout□□□□□□□□□□□□

```
xhr.ontimeout = function(event){

      alert(‘□□□□□’);

}
```

□□□Opera□Firefox□IE 10□□□□□□IE 8□IE 9□□□□□□□
XDomainRequest□□□□Chrome□Safari□□□□□

□□**FormData**□□

ajax□□□□□□□□□□□□□□□□□□□□□□HTML 5□□□□□FormData□□□□□
□□□□□

□□□□□□□FormData□□□

```
var formData = new FormData();
```

[illegible]

```
formData.append(‘username’, ‘[illegible]’);

formData.append(‘id’, 123456);
```

[illegible]FormData[illegible]

```
xhr.send(formData);
```

FormData[illegible]

```
var form = document.getElementById(‘myform’);

var formData = new FormData(form);

formData.append(‘secret’, ‘123456’); // [illegible]

xhr.open(‘POST’, form.action);

xhr.send(formData);
```

[illegible]

[illegible]XMLHttpRequest[illegible]

[illegible]files[illegible]”[illegible]”[illegible]input[type=”file”][illegible]
FormData[illegible]

```
var formData = new FormData();

for (var i = 0; i

      formData.append(‘files[]’, files[i]);

}
```

□□□□□□FormData□□□

```
xhr.send(formData);
```

□□□□□□□□CORS□

□□□□XMLHttpRequest□□□□□□□□□□□□□□HTTP□□□□□[“□□□□□□”]()□Cross-origin resource sharing□□□CORS□□

□□”□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□”□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
xhr.open(‘GET’, ‘http://other.server/and/path/to/script’);
```

□□□□□IE 8□IE 9□□□□□□□□CORS□IE 10□□□□□□□□□□□□□□□□□□□[□Server-Side Access Control□]()□

□□□□□□□□□□□A□□□MIMEType□

□□□□XMLHttpRequest□□□□□□□□□□□□□□□□□□□□□□XML□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□MIMEType□□□

```
xhr.overrideMimeType(“text/plain; charset=x-user-defined”);
```

□□□□responseText□□□□□□□□□□□□□□□□□

```
var binStr = xhr.responseText;
```

□□□

```
for (var i = 0, len = binStr.length; i

    var c = binStr.charCodeAt(i);
```

```
        var byte = c & 0xff;

    }
```

□□□□□□□□”c & 0xff”□□Unicode□0xF700-0xF7ff□□□

□□□□□□□□□□□□B□responseType□□□

□□□□□□□□□□□□□□□□□□□□□□□responseType□□□□□□□□□□□□□□□□□□□□□□□”TEXT”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□responseType□□blob□□□□□□□□□□□□□□□□

```
    var xhr = new XMLHttpRequest();

    xhr.open('GET', '/path/to/image.png');

    xhr.responseType = 'blob';
```

□□□□□□□□□□□□□□□Blob□□□□□

```
    var blob = new Blob([xhr.response], {type:
    'image/png'});
```

□□□□□□xhr.response□□□□xhr.responseText□

□□□□□responseType□□arraybuffer□□□□□□□□□□□□□□□

```
    var xhr = new XMLHttpRequest();

    xhr.open('GET', '/path/to/image.png');

    xhr.responseType = "arraybuffer";
```

□□□□□□□□□□□□□□□□□

```
        var arrayBuffer = xhr.response;
```

```
        if (arrayBuffer) {

            var byteArray = new Uint8Array(arrayBuffer);

            for (var i = 0; i

                // do something

            }
        }
```

□□□□□□□□□[Sending and Receiving Binary Data]□

□□□□□□

□□□□XMLHttpRequest□□□□□□□□□□□□□□progress□□□□□□□□□□
□□

□□□□□□□□□□□□□□□□progress□□□□XMLHttpRequest□□□□□□
progress□□□□XMLHttpRequest.upload□□□

□□□□□progress□□□□□□□□

```
  xhr.onprogress = updateProgress;

  xhr.upload.onprogress = updateProgress;
```

□□□□□□□□□□□□□□□□□□□□□□□

```
  function updateProgress(event) {

        if (event.lengthComputable) {

              var percentComplete = event.loaded /
  event.total;

        }
```

}

□□□□□□□event.total□□□□□□□□□□event.loaded□□□□□□□□□□□
event.lengthComputable□□□□□event.total□□0□

□progress□□□□□□□□□□□□□□□□□□□□□□□□□□

* load□□□□□□□□□□

* abort□□□□□□□□□□□

* error□□□□□□□□□□□

* loadstart□□□□□□□□

* loadEnd□□□□□□□□□□□□□□□□□□□□

□□□□□□

1. Introduction to XMLHttpRequest Level 2□ □□□□□□□□□

2. New Tricks in XMLHttpRequest 2□□□□□□□□□

3. Using XMLHttpRequest□□□□□□□□□□□□Firefox□□□□

4. HTTP Access Control□CORS□□□

5. DOM access control using cross-origin resource sharing□CORS□9□HTTP□□□

6. Server-Side Access Control□□□□□CORS□□□

7. Enable CORS□□□□CORS□□□

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2012/09/xmlhttprequest_level_2.html □□: □□□

□□: □□□ http://www.me115.com

[illegible]

[ruanyifeng.com]

[illegible]

20[illegible]

[illegible]Javascript[illegible][illegible][illegible]

HTML5[illegible]API[illegible]Remy Sharp[illegible][illegible]HTML5[illegible]API[illegible]

* iframe[illegible]

* ajax[illegible]

* [illegible]

* [illegible]

* [illegible]

[illegible]Remy Sharp[illegible][illegible][illegible]

[illegible]API[illegible]20[illegible]

[illegible]

[illegible]

□□□□□□□□□□□□□□□□□□file□

** **

□□□□□□□□□□□□□□□□□IE□□□□□□□□□□□

□□□□□□□□□□□□□”Upload”□□□□□□□□□□□

□□**iframe**□□

□□□□□□□□□□□□”□□□□”□□□□□□□□□□□□□□□□□”□□”□□□□□□□□□□□□□□□□
□□□□□□□□□□□action□□□□□□□□□

□□□□□”□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□

□HTML5□□□□□□□□□□□□iframe□□□□□□□□□□□submit□□□□□□□□□
iframe□□□□□□□□□□□jQuery□□□□□

```
var form = $(“#upload-form”);

form.on(‘submit’,function() {

    // □□□□□□iframe□□

});
```

□□iframe□□□□□□

```
var seed = Math.floor(Math.random() * 1000);

var id = “uploader-frame-” + seed;

var callback = “uploader-cb-” + seed;

var iframe = $(‘’);

var url = form.attr(‘action’);
```

```
    form.attr('target',
id).append(iframe).attr('action', url + '?iframe='
+ callback);
```

[illegible]target[illegible]iframe[illegible]iframe[illegible]action[illegible] iframe[illegible]

[illegible]upload.php[illegible]

[illegible]

```
window[callback] = function(data){

    console.log('received callback:', data);

    iframe.remove(); //removing iframe

    form.removeAttr('target');

    form.attr('action', url);

    window[callback] = undefined; //removing callback

};
```

[illegible]ajax[illegible]

HTML5[illegible]XMLHttpRequest[illegible][illegible][illegible]ajax[illegible]"[illegible]"[illegible]iframe[illegible]

ajax[illegible]submit[illegible]

```
form.on('submit',function() {

    // [illegible]ajax[illegible]
```

```
});
```

[illegible]FormData[illegible]

```
// [illegible]FormData
if(window.FormData) {

    var formData = new FormData();

    // [illegible]upload[illegible]
    formData.append(‘upload’,

document.getElementById(‘upload’).files[0]);

    var xhr = new XMLHttpRequest();

    xhr.open(‘POST’, $(this).attr(‘action’));

    // [illegible]
    xhr.onload = function () {

        if (xhr.status === 200) {

            console.log(‘[illegible]’);

        } else {

            console.log(‘[illegible]’);

        }

    };

    xhr.send(formData);

}
```

[illegible]

XMLHttpRequest□□□□□□□□□progress□□□□□□□□□□□□□

□□□□□□□□□□□HTML□□progress□

0

□□□□□progress□□□□□□□□

```
        xhr.upload.onprogress = function (event) {

              if (event.lengthComputable) {

                    var complete = (event.loaded / event.total *
100 | 0);

                    var progress =
document.getElementById('uploadprogress');

                    progress.value = progress.innerHTML =
complete;

              }

        };
```

□□□progress□□□□□□□xhr□□□□□□xhr.upload□□□□□□□□□□□□□□□□
□□□□□progress□□□

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□□□□□□□□□□□□□File API□□□□□□□□□□□□□□□□□□□□□□FileReader□
□□

```
        // □□□□□□FileReader□□
        if (typeof FileReader != 'undefined') {
              var acceptedTypes = {                    'image/png':
true,
```

```
                    'image/jpeg': true, |                    'image/gif':
true |              };

             if             if
(acceptedTypes[document.getElementById('upload').file
s[0].type] === true) {

                    var reader = new FileReader();

                    reader.onload = function (event) {

                          var image = new Image();

                          image.src = event.target.result;

                          image.width = 100;

                          document.body.appendChild(image);

                    };


reader.readAsDataURL(document.getElementById('uplo
ad').files[0]);

             }

       }
```

[illegible]

[illegible]HTML5[illegible]

[illegible]

[illegible]

```
        #holder {              border: 10px dashed #ccc;
              width:

  300px;              min-height: 300px; |              margin:
  20px auto; |       }

        #holder.hover {
              border: 10px dashed #0c0;
        }
```

□□□□□□□□□□□□□dragover□dragend□drop□□□□□□

```
        // □□□□□□□□□□□□□□
        if('draggable' in document.createElement('span')){

              var holder =
  document.getElementById('holder');

              holder.ondragover = function () {
  this.className = 'hover'; return false; };

              holder.ondragend = function () { this.className
  = ''; return false; };

              holder.ondrop = function (event) {

                    event.preventDefault();

                    this.className = '';

                    var files = event.dataTransfer.files;

                    // do something with files

              };

        }
```

□□□□□□□□□□□□□□□□□□demo□

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2012/08/file_upload.html
□□: □□□

□□: □□□ http://www.me115.com

Javascript□□□□class□□□□□□

ruanyifeng.com

□□20□□□Javascript□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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Javascript□□□□□□□□□□□□□□□□□□10000□Javascript□□□□□□□□□□
2010□□□□□□□□□□Gmail□□□□□□443000□□

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Javascript□□□□□□□□□□□□□□□□□□□□□

□□□□□Javascipt□□□□□”□”□class□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□Javascript□□”□”□□□□□□Javascript□□”□”□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□

Javascript□□□□class□□□□□□

□□□□□□

□□□□□□□□□□□class□□□□□object□□□□□□□□□□□□□□□□□”□□”□□□□□
□□□□□

Javascript□□□□□”□”□□□□□□□□□□□□□□□□□□”□”□

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```
function Cat() {
```

```
        this.name = "大毛";

    }
```

生成实例的时候，使用new关键字。

```
    var cat1 = new Cat();

    alert(cat1.name); // 大毛
```

类的属性和方法，还可以定义在构造函数的prototype对象之上。

```
    Cat.prototype.makeSound = function(){

        alert("喵喵喵");

    }
```

关于这种方法的详细介绍，请看我写的系列文章《Javascript 面向对象编程》，这里就不多说了。它的缺点是比较复杂，用到了this和prototype，编写和阅读都很费力。

二、Object.create()法

为了解决"构造函数法"的缺点，更方便地生成对象，Javascript的国际标准ECMAScript第五版（目前通行的是第三版），提出了一个新的方法Object.create()。

用这个方法，"类"就是一个对象，不是函数。

```
    var Cat = {

        name: "大毛",

        makeSound: function(){ alert("喵喵喵"); }

    };
```

然后，直接用Object.create()生成实例，不需要用到new。

```
    var cat1 = Object.create(Cat);
```

```
alert(cat1.name); // □□

cat1.makeSound(); // □□□
```

□□□□□□□□□□□□□□□□IE9□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
if (!Object.create) {

    Object.create = function (o) {

        function F() {}

        F.prototype = o;

        return new F();

    };

}
```

□□□□□"□□□□□"□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□"□"□□□□□□□

□□□□□□□□

□□□□□Gabor de Mooij□□□□□□Object.create()□□□□□□□□□□□□□□"□□□□□"□minimalist approach□□□□□□□□□□□□□□

3.1 □□

□□□□□□□this□prototype□□□□□□□□□□□□□□□□□□□□□□"□□□□□"□□□□

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```
var Cat = {
```

```
        createNew: function(){

            // some code here

        }

    };
```

□□□□createNew()□□□□□□□□□□□□□□□□□□□□□□□□

```
    var Cat = {

        createNew: function(){

            var cat = {};

            cat.name = “□□”;

            cat.makeSound = function(){ alert(“□□□”); };

            return cat;

        }

    };
```

□□□□□□□□createNew()□□□□□□□□□□□□□

```
    var cat1 = Cat.createNew();

    cat1.makeSound(); // □□□
```

□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□□□□”□□□□□□□□□□□□□□□□□□□

3.2 □□

□□□□□□□□□□□□□□□□□□□□□□□□□createNew()□□□□□□□□□createNew()□□□□□

□□□□□Animal□□

```
var Animal = {
    createNew: function(){
        var animal = {};
        animal.sleep = function(){ alert(“□□□”); };
        return animal;
    }
};
```

□□□□Cat□createNew()□□□□□Animal□createNew()□□□

```
var Cat = {
    createNew: function(){
        var cat = Animal.createNew();
        cat.name = “□□”;
        cat.makeSound = function(){ alert(“□□□”); };
        return cat;
    }
};
```

□□□□□Cat□□□□□□□□□Cat□□Animal□□

```
var cat1 = Cat.createNew();
cat1.sleep(); // □□□
```

3.3 私有属性和私有方法

在createNew()方法中，只要不是定义在cat对象上的方法和属性，都是私有的。

```
var Cat = {

    createNew: function(){

        var cat = {};

        var sound = "喵喵喵";

        cat.makeSound = function(){ alert(sound); };

        return cat;

    }

};
```

上例的内部变量sound，外部无法读取，只有通过cat的公有方法makeSound()来读取。

```
var cat1 = Cat.createNew();

alert(cat1.sound); // undefined
```

3.4 数据共享

有时候，我们需要所有实例对象，能够读写同一项内部数据。这个时候，只要把这个内部数据，封装在类对象的里面、createNew()方法的外面即可。

```
var Cat = {

    sound : "喵喵喵",

    createNew: function(){

        var cat = {};
```

```
            cat.makeSound = function(){
alert(Cat.sound); };

            cat.changeSound = function(x){ Cat.sound
= x; };

            return cat;

      }

};
```

□□□□□□□□□□□□

```
var cat1 = Cat.createNew();

var cat2 = Cat.createNew();

cat1.makeSound(); // □□□
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
cat2.changeSound("□□□");

cat1.makeSound(); // □□□
```

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2012/07/three_ways_to_define_a_javascript_class.html □□: □□□

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Javascript[illegible]

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Douglas Crockford[illegible]Javascript[illegible]Json[illegible]

[illegible]11[illegible]Youtube[illegible]Javascript[illegible]

[illegible]Javascript[illegible]Crockford[illegible]

[illegible]Crockford[illegible]"Javascript[illegible]"[illegible]

[illegible]"[illegible]"[illegible]programming style[illegible][illegible]

[illegible]"[illegible]"[illegible]grammar[illegible]"[illegible]"[illegible]programming style[illegible]

[illegible]**"[illegible]"**[illegible]Javascript[illegible]

[illegible]

[illegible]{}[illegible]block[illegible]

[illegible]

```
block
{
    …
```

```
}
```

[illegible]

```
block {
      ...
}
```

[illegible]Javascript[illegible]Javascript[illegible]

```
return
{
      key:value;
};
```

[illegible]undefined[illegible]Javascript[illegible]return[illegible]

```
return {
      key : value;
};
```

[illegible]

[illegible]1[illegible]

[illegible]

[illegible]parentheses[illegible]Javascript[illegible]grouping[illegible]

[illegible]**2**[illegible]

[illegible]**3**[illegible]

[illegible]**4**[illegible]

[illegible]

```
foo (bar)

return(a+b);

if(a === 0) {…}

function foo (b) {…}

function(x) {…}
```

[illegible]

[illegible]Javascript[illegible]

```
var a = 1
```

[illegible]

```
var a = 1;
```

[illegible]token[illegible]Javascript[illegible]”(“[illegible]”[“[illegible]”/”[illegible]”+”[illegible]”-“[illegible]

```
x = y

(function (){

    …

})();
```

□□□□□□□□

```
x = y(function (){...})();
```

□□□

□□5□□□□□□□□□□□

□□with□□

with□□□□□□□□□□□□□□□□□□

```
with (o) {
    foo = bar;
}
```

□□□□□□□□□□□□□□□□

```
o.foo = bar;

o.foo = o.bar;

foo = bar;

foo = o.bar;
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□6□□□□□with□□□

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Javascript□□□□□□”□□”□□□□□”□□”□==□□”□□□□”□===□□□□”□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
0 == ”// true
```

```
1 == true // true
2 == true // false
0 == ‘0’ // true
false == ‘false’ // false
false == ‘0’ // true
” \t\r\n ” == 0 // true
```

□□□

□□7□□□□□”□□”□==□□□□□□□□”□□□□”□===□□□□□

□□□□□□□

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```
a = b;
if (a) {…}
```

□□□□□□□□□:

```
if (a = b) {…}
```

□□

```
if （a === b）{…}
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
var a = b = 0;
```

□□□□□□□□□□□

```
var a = 0, b = 0;
```

□□□□□□□□□□□□□□□□□□

```
b = 0;
var a = b;
```

□□□

□□8□□□□□□□□□□□□□□□□□□

□□□□□□

Javascript□□□□□□□□”□□”□hoist□□□□□□block□□□□□

```
if (!o) {

    var o = {};

}
```

□□□

```
var o;

if (!o) {

    o = {};

}
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
for (var i ...) {...}
```

□□□□□

```
var i;
for (i ...) {...,}
```

□□□

[illegible]9[illegible]

[illegible]10[illegible]

[illegible]

Javascript[illegible]

[illegible]11[illegible] UPPER_CASE[illegible]

[illegible]new[illegible]

Javascript[illegible]new[illegible]

```
var o = new myObject();
```

[illegible]new[illegible]myObject()[illegible]this[illegible]this[illegible]

[illegible]12[illegible]new[illegible]`Object.create() <https://developer.mozilla.org/en/JavaScript/Reference/Global_Objects/Object/create>`__[illegible]

[illegible]new[illegible]

[illegible]13[illegible]InitialCap[illegible]

[illegible]

[illegible]++[illegible]—[illegible]

[illegible]++[illegible]”+= 1”[illegible]

```
++x
```

[illegible]

```
x += 1;
```

[illegible]Javascript[illegible]

```
++x;

++x;
```

[illegible]

```
x += 2;
```

[illegible]

[illegible]14[illegible]++[illegible]—[illegible]+=[illegible]-=[illegible]

[illegible]

[illegible]Javascript[illegible]block[illegible]

[illegible]

```
if (a) b(); c();
```

[illegible]

```
if (a) { b(); c();}
```

[illegible]

```
if (a) { b();} c();
```

[illegible]

[illegible]15[illegible]

[illegible]

Note

□□□□: http://www.ruanyifeng.com/blog/2012/04/javascript_programming_style.html □□: □□□

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CSS□□□□CSS□□□□□□html□□□□□□□□□□

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Javascript□□□□□LABjs□RequireJS

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□□□□□□Javascript□□□□□□

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□□□□LABjs□□□□□□□

□□□$LAB□□□□□

require()□□□□□□□□□□□□□□□□□□□Javascript□□□□□□□□□□□□□□□□□□□□□□□□□require()□□□□□□□□□□□□□Javascript□□□□□□□□□□□□□□□□□require()□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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Note

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jQuery[illegible]deferred[illegible]

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jQuery[illegible]

[illegible]jQuery 1.5.0[illegible]——deferred[illegible]

[illegible]jQuery[illegible]jQuery[illegible]ajax[illegible]jQuery[illegible]ajax[illegible]

[illegible]jQuery[illegible]jQuery[illegible]jQuery[illegible]jQuery[illegible]

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jQuery[illegible]deferred[illegible]

[illegible]

[illegible]deferred[illegible]

[illegible]javascript[illegible]ajax[illegible]

[illegible]callback[illegible]

[illegible]jQuery[illegible]jQuery[illegible]deferred[illegible]

[illegible]**deferred**[illegible]**jQuery**[illegible]defer[illegible]”[illegible]”[illegible]deferred[illegible]”[illegible]”[illegible]

[illegible]

[illegible]ajax[illegible]

[illegible]jQuery[illegible]ajax[illegible]

```
$.ajax({

    url: "test.html",

    success: function(){
        alert("[illegible]");
    },
    error:function(){
        alert("[illegible]");
    }

});
```

[illegible][[illegible]1][illegible]

[illegible]$.ajax()[illegible]success[illegible]error[illegible]

$.ajax()[illegible]1.5.0[illegible]jQuery[illegible]XHR[illegible]1.5.0[illegible]deferred[illegible]

[illegible]

```
$.ajax("test.html")

.done(function(){ alert("[illegible]"); })

.fail(function(){ alert("[illegible]"); });
```

[illegible][[illegible]2][illegible]

□□□□□done()□□□success□□□fail()□□□error□□□□□□□□□□□□□□□□
□□□□□□

□□□□□□□□□□□□□□□

deferred□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□ajax□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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```
$.ajax(“test.html”)

.done(function(){ alert(“□□□□□□□”);} )

.fail(function(){ alert(“□□□□”); } )
```

.done(function(){ alert(“□□□□□□□□”);});

□□□□□□□3□

□□□□□□□□□□□□□□□□□□□□□□□□

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deferred□□

□□□□□□□□□□□□□□□□□□$.when()□

**$.when($.ajax(“test1.html”),
$.ajax(“test2.html”))**

```
.done(function(){ alert(“□□□□□□□”); })

.fail(function(){ alert(“□□□□”); });
```

□□□□□□□4□

[illegible]$.ajax(“test1.html”)[illegible]
$.ajax(“test2.html”)[illegible]done()[illegible]
[illegible]fail()[illegible]

[illegible]

deferred[illegible]ajax[illegible]
[illegible]——[illegible]ajax[illegible]——[illegible]
deferred[illegible]

[illegible]wait[illegible]

```
var wait = function(){

      var tasks = function(){

            alert(“[illegible]”);

      };

      setTimeout(tasks,5000);

};
```

[illegible]

[illegible]$.when()[illegible]

```
      $.when(wait())

      .done(function(){ alert(“[illegible]”); })

      .fail(function(){ alert(“[illegible]”); });
```

[illegible][[illegible]5][illegible]

[illegible]done()[illegible]$.when()[illegible]
deferred[illegible]wait()[illegible]

```
var dtd = $.Deferred(); // 新建一个deferred对象

var wait = function(dtd){

    var tasks = function(){

        alert("执行完毕！");

        dtd.resolve(); // 改变deferred对象的执行状态

    };

    setTimeout(tasks,5000);

    return dtd;

};
```

现在，wait()函数返回的是deferred对象，这就可以加上链式操作了。

```
    $.when(wait(dtd))

    .done(function(){ alert("哈哈，成功了！"); })

    .fail(function(){ alert("出错啦！"); });
```

（运行代码示例6）

wait()函数运行完，就会自动运行done()方法指定的回调函数。

七、deferred.resolve()方法和deferred.reject()方法

如果仔细看，你会发现在上面的wait()函数中，还有一个地方我没讲解。那就是dtd.resolve()的作用是什么？

要说清楚这个问题，就要引入一个新概念"执行状态"。jQuery规定，deferred对象有三种执行状态——未完成，已完成和已失败。如果执行状态是"已完成"（resolved）,deferred对象立刻调用

done()□□□□□□□□□□□□□□□□□”□□□”□□□fail()□□□□□□□□□□□□□□□□”□□□”□□□□□□□□□□□progress()□□□□□□□□□□jQuery1.7□□□□□□

□□□□□ajax□□□□deferred□□□□□□□□□□□□□□□□□□□□□□□□□wait()□□□□□□□□□□□□□□□□□□□□dtd.resolve()□□□□□□dtd□□□□□□□□”□□□”□□”□□□”□□□□□done()□□□

□□□□□□□□deferred.reject()□□□□□□□dtd□□□□□□□□”□□□”□□”□□□”□□□□□fail()□□□

```
var dtd = $.Deferred(); // □□□□Deferred□□

var wait = function(dtd){

    var tasks = function(){

        alert("□□□□□");

        dtd.reject(); // □□Deferred□□□□□□

    };

    setTimeout(tasks,5000);

    return dtd;

};

$.when(wait(dtd))

.done(function(){ alert("□□□□□□□"); })

.fail(function(){ alert("□□□□"); });
```

□□□□□□□7□

□□deferred.promise()□□

□□□□□□□□□□□□□□□□dtd□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□

```
var dtd = $.Deferred(); // □□□□Deferred□□

var wait = function(dtd){

    var tasks = function(){

        alert(“□□□□□□”);

        dtd.resolve(); // □□Deferred□□□□□□□

    };

    setTimeout(tasks,5000);

    return dtd;

};

$.when(wait(dtd))

.done(function(){ alert(“□□□□□□□”); })

.fail(function(){ alert(“□□□□”); });
```

dtd.resolve();

□□□□□□□8□

□□□□□□□□□□□dtd.resolve()□□□□□□dtd□□□□□□□□□□□□done()□□□
□□□□□□”□□□□□□□”□□□□□□5□□□□□□”□□□□□□”□□□□□

□□□□□□□□□jQuery□□□deferred.promise()□□□□□□□□□□□□□
deferred□□□□□□□□deferred□□□□□□□□□□□□□□□□□□□□□□□done()

□□□fail()□□□□□□□□□□□□□□□□□□□□□resolve()□□□reject()□□□□□□
□□□□□□□□□□□□

□□□□□□□□

```
var dtd = $.Deferred(); // □□□□Deferred□□

var wait = function(dtd){

    var tasks = function(){

        alert("□□□□□");

        dtd.resolve(); // □□Deferred□□□□□□□

    };
    setTimeout(tasks,5000);

    return dtd.promise(); // □□promise□□

};

var d = wait(dtd); // □□□□d□□□□□□□□□□□□□□

$.when(d)

.done(function(){ alert("□□□□□□□"); })

.fail(function(){ alert("□□□□"); });

d.resolve(); // □□□□□□□□□□□
```

□□□[□□□□9]□

□□□□□□□□□□wait()□□□□□□promise□□□□□□□□□□□□□□□□□□□□□□□□□□□deferred□□□deferred□□□

□□□□□□□□□allenm□□□□□□dtd□□□□wait(□□□□□□□□□

```
var wait = function(dtd){

    var dtd = $.Deferred(); //□□□□□□□□□□
 Deferred□□

    var tasks = function(){

        alert(“□□□□□”);

        dtd.resolve(); // □□Deferred□□□□□□□

    };
    setTimeout(tasks,5000);

    return dtd.promise(); // □□promise□□

};

$.when(wait())

.done(function(){ alert(“□□□□□□□”); })

.fail(function(){ alert(“□□□□”); });
```

□□□□□□□10□

□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□deferred□□□□□□□$.Deferred()□

□□□wait□□□□□□□□□□□□□□□□□$.Deferred()□

```
$.Deferred(wait)

.done(function(){ alert(“□□□□□□□”); })

.fail(function(){ alert(“□□□□”); });
```

□□□□□□□11□

jQuery□□□$.Deferred()□□□□□□□□□□□□□□□□□□□□□□□
$.Deferred()□□□□deferred□□□□□□□□□□□□□□□

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□□□□□□□□□□□□□□□□□□□wait□□□□□deferred□□□

```
var dtd = $.Deferred(); // □□Deferred□□

var wait = function(dtd){

    var tasks = function(){

        alert("□□□□□");

        dtd.resolve(); // □□Deferred□□□□□□□

    };

    setTimeout(tasks,5000);

};

dtd.promise(wait);

wait.done(function(){ alert("□□□□□□□"); })

.fail(function(){ alert("□□□□"); });

wait(dtd);
```

□□□□□□□12□

□□□□□□dtd.promise(wait)□□□□□□□□□□□wait□□□□□Deferred□□□
□□□□□□□□□□□□□□□□□wait□□□□done()□fail()□

□□□□□deferred□□□□□

□□□□□□□deferred□□□□□□□□□□□□□□□□

□1□ $.Deferred() □□□□deferred□□□

□2□ deferred.done() □□□□□□□□□□□□

□3□ deferred.fail() □□□□□□□□□□□□

□4□ deferred.promise() □□□□□□□□□□□□deferred□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□deferred□□□

□5□ deferred.resolve() □□□□deferred□□□□□□□□□”□□□”□□□□
□□□done()□□□

□6□`deferred.reject()
<http://api.jquery.com/deferred.reject/>`__ □□□□□
deferred.resolve()□□□□□□□□□deferred□□□□□□□□□”□□□□”□□□□□□
□fail()□□□

□7□ $.when() □□□□□□□□□□□□

□□□□□□□□□deferred□□□□□□□□□□□□□□□□□□□□□□□

□8□`deferred.then()
<http://api.jquery.com/deferred.then/>`__

□□□□□□□□□□done()□fail()□□□□□□□□□then()□□□

$.when($.ajax(“/main.php”))

.then(successFunc, failureFunc);

□□then()□□□□□□□□□□□□□□done()□□□□□□□□□□□□□□fail()□□□□□□
□□□□then()□□□□□□□□□□□□done()□

□9□`deferred.always()
<http://api.jquery.com/deferred.always/>`__

□□□□□□□□□□□□□□□□□□□□□□□□□□□□deferred.resolve()□□deferred.reject()□□□□□□□□

```
$.ajax( “test.html” )

.always( function() { alert(“□□□□”);} );
```

□□□□□□□□□□□□□allenm□□□□□□□promise()□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2011/08/a_detailed_explanation_of_jquery_deferred_object.html □□: □□□

□□: □□□ http://www.me115.com

jQuery□□□□

ruanyifeng.com

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□□□□□□□□□□□□□□□□□□□□□□□**“□□□□jQuery”**□□□□□□□□□□□□□□□**“□□□□jQuery”**□

□□□□□□Addy Osmani□PPT□□□jQuery□□□□□□□jQuery Proven Performance Tips And Tricks□□□□jQuery□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

---

jQuery□□□□

□□□ □□

1. □□□□□□□jQuery

jQuery□□

□□□□□□□□□□□□jQuery□□□□□□□□□□□□□□□□□jQuery□□□□□

```
$(‘.elem’)

$(‘.elem’, context)

context.find(‘.elem’)
```

□□□1.4.2□1.4.4□1.6.2□□□□□jQuery□□□□□□□□□1□□□□□□□□□□□□□□□□

□□□□□1.6.2□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□.attr(“value”)□.val()□□□□□□□jQuery□□□□□□□□

2. □□□□□

□jQuery□□
□□□□□

□1□□□□□□□□id□□□□□□□□□□□

□□□□□□□□□□□□□□□

```
$('#id')

$('form')

$('input')
```

□□□□□□□□□□□jQuery□□□□□□□□□□□□□□□□□□
getElementById()□□□□□□□□□□□□□

□2□□□□□□□□class□□□

$('.className')□□□□□□□□□□□□□□

Firefox□Safari□Chrome□Opera□□□□□□□□□□
getElementByClassName()□□□□□□□□□□□□IE5-IE8□□□□□□□□□□
□□□□□□□□IE□□□□□□

□3□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
$(':hidden')
```

□□□□□□□□□□□

```
$('[attribute=value]')
```

□□□
querySelector()□querySelectorAll()□□□□□□□□□□□□□□□□□□□□□

[illegible]

[illegible]ID[illegible]Class[illegible]

3. [illegible]

[illegible]

$('.child', $parent)

$parent.find('.child')

$parent.children('.child')

$('#parent > .child')

$('#parent .child')

$('.child', $('#parent'))

[illegible]

(1) $('.child', $parent)

[illegible]DOM[illegible]jQuery[illegible]
$.parent.find('child')[illegible]5%-10%[illegible]

(2) $parent.find('.child')

[illegible].find()[illegible]getElementById[illegible]
getElementByName[illegible]getElementByTagName[illegible]

(3) $parent.children('.child')

[illegible]jQuery[illegible]$.sibling()[illegible]javascript[illegible]nextSibling()[illegible]
[illegible]50%[illegible]

(4) $('#parent > .child')

jQuery□□□□Sizzle□□□□□□□□□□□Sizzle□□□□□□□□□□□□□□□□□□□□
□□.child□□□□□□□□□□□□□#parent□□□□□□□□□□□□□□70%□

(5) $(‘#parent .child’)

□□□
□□□□□□□□□□□□□□77%□

(6) $(‘.child’, $(‘#parent’))

jQuery□□□□□□□□□□$(‘#parent’).find(‘.child’)□□□□□□□□□23%□

□□□□□□□□$parent.find(‘.child’)□□□□□□$parent□□□□□□□□□□□□□
jQuery□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□[□□]□

4. □□□□□□jQuery

jQuery□□□□□□□□□□□□javascript□□□□□□□□□□□□□□□□□□□□□□□□□□
□jQuery□

□□□□□□□□□□□document.getElementById(“foo”)□□$(“#foo”)[□
10□□]□

□□□□□□□□□a□□□□□□□□□□□□□□□□□

```
$(‘a’).click(function(){

    alert($(this).attr(‘id’));

});
```

□□□□□□□□□□□a□□□□□□□□□□id□□□□□□□□□□□□□□□□□□□□jQuery□
□□□□$(this)□□□□□attr(‘id’)□

□□□□□□□□□□□□□□□□□□□□□□□□□□□javascript□□□□□□□this.id□

```
$('a').click(function(){
    alert(this.id);
});
```

□□□□□this.id□□□□$(this).attr('id')□□20□□□

5. □□□□

□□□

□□□□□□□□□□□□□□□□□□

```
jQuery('#top').find('p.classA');
jQuery('#top').find('p.classB');
```

□□□□□□□

```
var cached = jQuery('#top');
cached.find('p.classA');
cached.find('p.classB');
```

□□□□□□□□□□□□□□2-3□□

6. □□□□□□

jQuery□□□□□□□□□□□□□□□□□

```
$('div').find('h3').eq(2).html('Hello');
```

□□□□□□□□jQuery□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□25%□

7. □□□□□□□□Event Delegation□

javascript□□□□□□□□”□□”□□□□□□□□□□□□□□□□□□□”□□”□□□□□□□□
□□

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□□□□□□□□□□□□□□□□□□□□□□□click□□□□□□□□□□□□□□□□100□□

```
$(“td”).on(“click”, function(){

    $(this).toggleClass(“click”);

});
```

□□□□□□□□□□□□□□□□□□□table□□□□□□□□□□□td□□□□□□□□□□□□□□
□□”□□”□□□table□□□□□□□□□□

□□□□□□□□□□□□□□□□1□□□□□□□□□□□□□□□100□□□□□□□□□□□□□□□
□□”□□□□”□□□□□□□□”□□”□□□□□□□□□□

```
$(“table”).on(“click”, “td”, function(){

    $(this).toggleClass(“click”);

});
```

□□□□□□□□□□□□□□document□□□□□

```
$(document).on(“click”, “td”, function(){

    $(this).toggleClass(“click”);

});
```

□□□□□□□□□□□□□□off()□□□

```
$(document).off(“click”, “td”);
```

8. □□□DOM□□

□1□□□DOM□□□□□□□□□□□□□□□.append()□.insertBefore()□.insetAfter()□□□□□□

□□□10□□

□2□□□□□□□□DOM□□□□□□□□□□□□□.detach()□□□□□□□□□DOM□□□□□□□□□□□□□□□□□□□□□□□□□□.detach()□□□□□□□□□□60%□

□3□□□□□□DOM□□□□□□□□□□□□□□□□□

```
var elem = $('#elem');
```

elem.data(key,value);

□□□□

```
var elem = $('#elem');
```

$.data(elem[0],key,value);

□□□□□□□□□□□□□□□□□□□□10□□□□□elem.data()□□□□□□jQuery□□□prototype□□□□□□□$.data()□□□□□jQuery□□□□□□□□□□□□□□□□jQuery□□□□□□□□□□□□□□□□□□□□□□□□10□□□

□4□□□html□□□□□□□□□□□□innterHTML()□□□jQuery□□□html()□□□

9. □□□□□□

□□

javascript□□□□□□for□while□□□jQuery□.each()□□□□□□□□□□□□□

10. □□□□□jQuery□□

□□□□□□□□□□□□$(‘#id’)□□□□□□□□jQuery□□□jQuery□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□jQuery□□□

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jQuery□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□text()□□□

□□□□□□□□jQuery□□□□□□

```
var $text = $(“#text”);

var $ts = $text.text();
```

□□□□□□□jQuery□□□□□□

```
var $text = $(“#text”);

var $ts = $.text($text);
```

□□□□□□□jQuery□□□□□□□□jQuery□□□□□□□□□□□□□□□[□□□]□

11. □□□□□□□□□□

□□□□□□□□□□□□Javascript□□□□□□□□□□□□jQuery□

□□□□□Javascript□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□

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```
var a = 0;

function x(){

    a += 1;

}
```

□□□□□□□□□□□□

```
function y(){

      var a = 0;

      a += 1;

}
```

□□□□□□□□□a□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□closure□□□□prototype□□□□□

prototype□□□

```
var X = function(name){ this.name = name; }

X.prototype.get_name = function() { return this.name; };
```

closure□□□

```
      var Y = function(name) {

            var y = { name: name };
            return { ‘get_name’: function() { return y.name; } };

      };
```

□□□get_name()□□□closure□□□□□

12. □□Pub/Sub□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
function doSomthing{

      doSomethingElse();
```

```
        doOneMoreThing();

    }
```

[illegible]

```
    function doSomething{

        $.trigger(“DO_SOMETHING_DONE”);

    }

    $(document).on(“DO_SOMETHING_DONE”, function(){

        doSomethingElse(); }

    );
```

[illegible]deferred[illegible]

```
        function doSomething(){

            var dfd = new $.Deferred();

            //Do something async, then…
            //dfd.resolve();

            return dfd.promise();

        }

        function doSomethingElse(){

            $.when(doSomething()).then(//The next thing);

        }
```

[illegible]

Note

□□□□:
http://www.ruanyifeng.com/blog/2011/08/jquery_best_practices.html □□: □□□

□□: □□□ http://www.me115.com

jQuery[illegible]

[ruanyifeng.com]

[jQuery][illegible]javascript[illegible]

[illegible]100[illegible]46%[illegible]jQuery[illegible]
jQuery[illegible]

[illegible]jQuery[illegible]

[illegible]jQuery[illegible]

[illegible]jQuery[illegible]Rebecca Murphey[illegible]jQuery[illegible]
[illegible]jQuery Fundamentals[illegible]Google[illegible]”jQuery [illegible]”[illegible]
jQuery[illegible]

[illegible]100[illegible]jQuery[illegible]jQuery[illegible]

[illegible]jQuery[illegible]javascript[illegible]jQuery[illegible]ajax[illegible]

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jQuery[illegible]

[illegible]http://jqfundamentals.com/book/

[illegible] [illegible]

[illegible]

[illegible]

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[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

jQuery[illegible]“[illegible]”[illegible]Javascript[illegible]

[illegible]jQuery[illegible]jQuery()[illegible]$[illegible]

[illegible]CSS[illegible]

$(document) //[illegible] $(‘#myId’)

//[illegible]ID[illegible]myId[illegible] $(‘div.myClass’) // [illegible]class[illegible]myClass[illegible]div[illegible] | $(‘input[name=first]’) // [illegible]name[illegible]first[illegible]input[illegible]

[illegible]jQuery[illegible]

$('a:first') //□□□□□□□□a□□ $('tr:odd')

//□□□□□□□□ $('#myForm :input') // □□□□□□input□□
      $('div:visible') //□□□□□div□□ $('div:gt(2)') // □□□□
□div□□□□□□□□ | $('div:animated') // □□□□□□□□□□□div□
□

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jQuery□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

$('div').has('p'); // □□□□p□□□div□□

$('div').not('.myClass'); //□□class□□□myClass□div□□

$('div').filter('.myClass'); //□□class□□myClass□div□□

$('div').first(); //□□□1□div□□

$('div').eq(5); //□□□6□div□□

□□□□□□□□□□□□□□□□□□□□□□□□□jQuery□□□□□DOM□□□□□□□□

$('div').next('p'); //□□div□□□□□□□□p□□

$('div').parent(); //□□div□□□□□□

$('div').closest('form'); //□□□div□□□□□form□□□

$('div').children(); //□□div□□□□□□

$('div').siblings(); //□□div□□□□□

□□□□□□

jQuery□□
□□□□□□□□□□□□□□

$(‘div’).find(‘h3’).eq(2).html(‘Hello’);

□□□□□□□□□□□□

$(‘div’) //□□div□□

.find(‘h3’) //□□□□□h3□□

.eq(2) //□□□3□h3□□

.html(‘Hello’); //□□□□□□□Hello

□□jQuery□□□□□□□□□□□□□□□□□□□□□□□jQuery□□□□□□□□□□
jQuery□□□□□□□□□□□□□□□□

jQuery□□□□[.end()]□□□□□□□□□□□□□□□

$(‘div’)

.find(‘h3’)

.eq(2)

.html(‘Hello’)

.end() //□□□□□□□□h3□□□□□□

.eq(0) //□□□□□h3□□

.html(‘World’); //□□□□□□□World

□□□□□□□□□□□□□

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jQuery□□□□□□□□□□□□□□□□□□□□□□□getter□□□□□setter□□□”□□
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$(‘h1’).html(); //html()□□□□□□□□□h1□□

$('h1').html('Hello'); //html()[illegible]Hello[illegible]h1[illegible]

[illegible]

.html() [illegible]html[illegible]

.text() [illegible]text[illegible]

.attr() [illegible]

.width() [illegible]

.height() [illegible]

.val() [illegible]

[illegible] .text() [illegible]text[illegible]

[illegible]

jQuery[illegible]

[illegible]div[illegible]p[illegible]

[illegible] .insertAfter() [illegible]div[illegible]p[illegible]

$('div').insertAfter($('p'));

[illegible] .after() [illegible]p[illegible]div[illegible]

$('p').after($('div'));

[illegible]div[illegible]p[illegible]

□□□□□□□□□□□□□□□□□

.insertAfter()□.after()□□□□□□□□□□□□□□□□

.insertBefore()□.before()□□□□□□□□□□□□□□□□

.appendTo()□.append()□□□□□□□□□□□□□□□□

.prependTo()□.prepend()□□□□□□□□□□□□□□□□

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□□□□□□.clone()□

□□□□□□.remove()□.detach()□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□□□□□□□□□□□□□□□□.empty()□

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$(‘

Hello

’);

$(‘

new list item

’);

$(‘ul’).append(‘

list item

’);

jQuery utility

Javascript jQuery jQuery.method() prototype jQuery.prototype.method() javascript

- [$.trim()]
- [$.each()]
- [$.inArray()] -1
- [$.grep()]
- [$.extend()]
- [$.makeArray()]
- [$.type()]
- [$.isArray()]
- [$.isEmptyObject()]
- [$.isFunction()]
- [$.isPlainObject()] ”{}” ”new Object”

$.support() [illegible]

[illegible]

jQuery[illegible][illegible][illegible]

```
$(‘p’).click(function(){
        alert(‘Hello’);
});
```

[illegible]jQuery[illegible]

.blur() [illegible]

.change() [illegible]

.click() [illegible]

.dblclick() [illegible]

.focus() [illegible]

.focusin() [illegible]

.focusout() [illegible]

.hover() [illegible]mouseenter[illegible]mouseleave[illegible]

.keydown() [illegible]

.keypress() [illegible]

.keyup() [illegible]

.load() [illegible]

.mousedown() [illegible]

.mouseenter() [illegible]

.mouseleave() [illegible]

.mousemove() [illegible]

.mouseout() [illegible]

.mouseover() [illegible]

.mouseup() [illegible]

.ready() DOM[illegible]

.resize() [illegible]

.scroll() [illegible]

.select() [illegible]

.submit() [illegible]

.toggle() [illegible]

.unload() [illegible]

[illegible]jQuery[illegible].bind()[illegible].bind()[illegible]

```
$('input').bind(
    'click change', //[illegible]click[illegible]change[illegible]
    function() {
        alert('Hello');
    }
```

```
);
```

如果只想让事件运行一次，这时可以使用.one()方法。

```
$(“p”).one(“click”, function() {
      alert(“Hello”); //只运行一次，以后的点击不会运行
});
```

.unbind()用来解除事件绑定。

```
$(‘p’).unbind(‘click’);
```

所有的事件处理函数，都可以接受一个事件对象（event object）作为参数，比如下面例子中的e。

```
$(“p”).click(function(e) {
      alert(e.type); // “click”
});
```

这个事件对象有一些很有用的属性和方法：

event.pageX 事件发生时，鼠标距离网页左上角的水平距离

event.pageY 事件发生时，鼠标距离网页左上角的垂直距离

event.type 事件的类型（比如click）

event.which 按下了哪一个键

event.data 在事件对象上绑定数据，然后传入事件处理函数

event.target 事件针对的网页元素

event.preventDefault() 阻止事件的默认行为（比如点击链接，会自动打开新页面）

event.stopPropagation() □□□□□□□□□□

□□□□□□□□□□□this□□□□□□□□□□DOM□□□

```
$(‘a’).click(function(e) {
      if ($(this).attr(‘href’).match(‘evil’)) {

//□□□□□□□□

            e.preventDefault(); //□□□□

            $(this).addClass(‘evil’); //□□□□□□□class

      }

});
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□.trigger()□.triggerHandler()□

```
$(‘a’).click();

$(‘a’).trigger(‘click’);
```

□□□□□□

□□□jQuery□□□□□□□□□□□□□

```
$(‘h1’).show(); //□□□□h1□□
```

□□□□□□□□□□

.fadeIn() □□

.fadeOut() □□

.fadeTo() □□□□□

.hide() □□□□

.show() □□□□

.slideDown() □□□□

.slideUp() □□□□

.slideToggle() □□□□□□□□□□□

.toggle() □□□□□□□□□□□

□□.show()□.hide()□□□□□□□□□□□□□□□□400ms□□□□□□□□□□□□□□
□□□

```
$(‘h1’).fadeIn(300); // 300□□□□□

$(‘h1’).fadeOut(‘slow’); // □□□□□
```

□□□□□□□□□□□□□□□□□□

```
$(‘p’).fadeOut(300, function() { $(this).remove(); });
```

□□□□□□□□□□.animate()□□□□

```
$(‘div’).animate(
    {
        left : “+=50”, //□□□□
        opacity : 0.25 //□□□□□
    },
    300, // □□□□
    function() { alert(‘done!’); } //□□□□
);
```

.stop()□.delay()□□□□□□□□□□□□

$.fx.off□□□□□true□□□□□□□□□□

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2011/07/jquery_fundamentals.html □□: □□□

□□: □□□ http://www.me115.com

Javascript□10□□□□□

ruanyifeng.com

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□□□□□□□□□Douglas Crockford□□□□Javascript□□□□□
□*JavaScript: The Good Parts*□□Fredrik Holmström□□□□□□
Javascript□□□□□*My gripes with Javascript*□□

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□□□□□□□□□□□□Javascript□□□□□□□□

1. □□□□□□□□

Javascript□□
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2. □□□□

Javascript□□□
□□Javascript□□□□□□□□□□Prototype□□□□□□□□□□□□□□□□□□□□□□
□□□

3. □□□□□□

Javascript□□□□□□□□□□□□□□□□□□

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□□□□□Javascript□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□C□□□□□□20□□□□□□□□□□□□

□□Javascript□10□□□□□

1. □□□□□□□□□

Javascript□□□□□□□namespace□□□

2. □□□□□□□

Javascript□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

3. null□undefined

null□□□□□object□□□□□□□□□□□□□□undefined□□□□□□□□□□□□□□□

```
typeof null; // object

typeof undefined; // undefined
```

□□□□□□□□□□□□□□□□□□

```
var foo;

alert(foo == null); // true

alert(foo == undefined); // true
```

```
alert(foo === null); // false

alert(foo === undefined); // true
```

[illegible]null[illegible]

4. [illegible]

Javascript[illegible]

```
a = 1;

(function(){

    b=2;

    alert(a);

})(); // 1

alert(b); //2
```

5. [illegible]

Javascript[illegible]

[illegible]undefined[illegible]

```
    function(){

        return          {
                  i=1
              };

    }
```

[illegible]return[illegible]

```
function(){

        return;                    {
                i=1
            };

}
```

6. [illegible]

+[illegible]

```
alert(1+10); // 11

alert(“1”+”10”); // 110
```

[illegible]

```
alert(1+”10”); // 110

alert(“10”+1); // 101
```

[illegible]

7. NaN

NaN[illegible]

```
NaN === NaN; //false

NaN !== NaN; //true

alert( 1 + NaN ); // NaN
```

[illegible]NaN[illegible]

8. [illegible]

□□Javascript□□□□□□□□□□object□□□□□□□□□□□□□□□□□□□□□□□□□□□
Douglas Crockford□□□□□□□□□

```
if ( arr &&              typeof arr === ‘object’ &&
if ( arr &&              typeof arr === ‘object’ &&
      typeof arr.length === ‘number’ &&
      !arr.propertyIsEnumerable(‘length’)){

      alert(“arr is an array”);

}
```

9. == □ ===

==□□

```
”” == “0” // false

0 == “” // true

0 == “0” // true

false == “false” // false

false == “0” // true

false == undefined // false

false == null // false

null == undefined // true

” \t\r\n” == 0 // true
```

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10. □□□□□□□□□□

Javascript□□□
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new Boolean(false);

new Number(1234);

new String(“Hello World”);

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alert(typeof 1234); // number

alert(typeof new Number(1234)); // object

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Note

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http://www.ruanyifeng.com/blog/2011/06/10_design_defect

s_in_javascript.html □□: □□□

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5.

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6.

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> “Java□□Javascript□□□□□□□□□□□□□□□□□□primitive□□□□□□□object□□□□□□□□□□□□□□□□□□□□□Y2K□□□□□□□□□□”

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Date.getYear()□□□□□□□□□□□□□□

```
var date1 = new Date(1999,0,1);

var year1 = date1.getYear();

alert(year1); // 99
```

□□□□□□□□2000□□□□□□□100□

```
var date2 = new Date(2000,0,1);

var year2 = date2.getYear();

alert(year2); // 100
```

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Note

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Bookmarklet□□□□

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`xxx <”javascript:alert(‘hi’);”>`__

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□□Bookmarklet□□□

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1. □□□□

Bookmarklet[illegible]

2. [illegible]

[illegible]

3. [illegible]

[illegible]Javascript[illegible]Bookmarklet[illegible]

4. [illegible]

[illegible]Bookmarklet[illegible]Bookmarklet[illegible]

[illegible]Bookmarklet[illegible]

1. [illegible]”javascript:”[illegible]

[illegible]”javascript:”[illegible]javascript[illegible]

[illegible]

2. [illegible]

[illegible]Bookmarklet[illegible]Bookmarklet[illegible]

[illegible]IE[illegible]2083[illegible]IE6[illegible]508[illegible]Bookmarklet[illegible][illegible][illegible]

3. [illegible]

[illegible]Javascript[illegible]’xxx’[illegible]”xxx”[illegible]html[illegible]Bookmarklet[illegible]URL

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Bookmarklet□□□□□□□□□□□□□□□□□□□□□□□□

javascript: (function(){…})();

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5. □□□URL□□□

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1. □□□□□

□□□□□□□□document.title□

□□□□□□URL□ location.href□

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```
var t;

t = (function(){

      if (window.getSelection){

            return window.getSelection().toString();

      }else if(document.getSelection){

            return document.getSelection();
```

```
        }else if (document.selection){
              return document.selection.createRange().text;
        }
        return ”;
  })();
```

2. [illegible]

[illegible]document.write[illegible]void()[illegible]

[illegible]Bookmarklet[illegible]

[javascript:document.links[0].href=](javascript:document.links[0].href=)’http://www.ibm.com/’;

[illegible]void[illegible]

[javascript:void(document.links[0].href=](javascript:void(document.links[0].href=)’http://www.ibm.com/’);

3. [illegible]frameset[illegible]

[illegible]”[illegible]”[illegible]frameset[illegible]Bookmarklet[illegible]Bookmarklet[illegible]

```
  if(frames.length > 0)
        alert(‘[illegible]’);
  else{
        /* [illegible] */
```

```
}
```

□□□□□□□□□□□□□□□□□□□□iframe□□□□frames.length□□□□□□□□□iframe□□□□

```
if(frames.length >
document.getElementsByTagName(‘iframe’).length)
    alert(‘□□□□□□□□□□’);
else{
    /* □□□□□□□ */
}
```

4. □□□□javascript□□

□□□Bookmarklet□□□□□□□□Javascript□□□□□□□□□□□□□□□script□□□

```
javascript:(function(){
    var script=document.createElement(‘script’);
    script.setAttribute(‘src’,
                    ’http://path/to/external/file.js’);
    document.getElementsByTagName(‘head’)[0]
            .appendChild(script);
})();
```

5. □□□□□□□

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□□□□□jQuery□□□

```
if (!window.jQuery) {

      script=document.createElement( ‘script’ );

      script.src=’http://ajax.googleapis.com/
                    ajax/libs/jquery/1/jquery.min.js’;

      script.onload=foo;

      document.body.appendChild(script);

} else {
      foo();
}
function foo() {

      /* … */

}
```

□□□□□□

* Kalid Azad, How To Make a Bookmarklet For Your Web Application

* Troels Jakobsen, Rules for Bookmarklets

* Troels Jakobsen, Tips for Writing Bookmarklets

* Siddharth, Create Bookmarklets - The Right Way

* 2ality, Implementing bookmarklets in JavaScript

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Note

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http://www.ruanyifeng.com/blog/2011/06/a_guide_for_writing_bookmarklet.html □□: □□□

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Javascript[illegible]

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[illegible]Javascript[illegible]

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]class[illegible]”[illegible]”[illegible]instance[illegible]
[illegible]”[illegible]”[illegible]prototype chain[illegible]

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[illegible]Vjeux[illegible]Javascript[illegible]

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[illegible]Javascript[illegible]

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1994[illegible]object-oriented programming[illegible]
C++[illegible]Java[illegible]1.0[illegible]Sun[illegible]

Brendan Eich[illegible]Javascript[illegible]object[illegible]
[illegible]Java[illegible]”[illegible]”[illegible]

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□□□□□□□□□□□”□”□class□□□□□□□□□□□□”□”□Javascript□□

□□□□□C++□Java□□□□□new□□□□□□□□

C++□□□□□

```
ClassName *object = new ClassName(param);
```

Java□□□□□

```
Foo foo = new Foo();
```

□□□□□new□□□□□Javascript□□□□□□□□□□□□□□□□□□□□□□Javascript□□”□”□□□□□□□□□□□□□

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```
function DOG(name){

    this.name = name;

}
```

□□□□□□□□□□new□□□□□□□□□□□□□□□□

var dogA = new DOG('□□');

```
alert(dogA.name); // □□
```

□□□□□□□□this□□□□□□□□□□□□□□□□□□

□□**new**□□□□□□

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□□□□DOG□□□□□□□□□□□□□□□□□□□□□□species□

```
function DOG(name){

      this.name = name;

      this.species = '□□';

}
```

□□□□□□□□□□□□

```
var dogA = new DOG('□□');

var dogB = new DOG('□□');
```

□□□□□□species□□□□□□□□□□□□□□□□□□□□□□□

```
dogA.species = '□□';

alert(dogB.species); // □□"□□"□□□dogA□□□
```

□□

□□**prototype**□□□□□

□□□□□□□Brendan Eich□□□□□□□□□□□prototype□□□

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□□□DOG□□□□□□□□□□prototype□□□□□□□

```
function DOG(name){
    this.name = name;
}
DOG.prototype = { species : ‘□□’ };

var dogA = new DOG(‘□□’);
var dogB = new DOG(‘□□’);

alert(dogA.species); // □□
alert(dogB.species); // □□
```

□□□species□□□□prototype□□□□□□□□□□□□□□□□□□□□prototype□
□□□□□□□□□□□□□□□□

```
DOG.prototype.species = ‘□□’;

alert(dogA.species); // □□
alert(dogB.species); // □□
```

□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2011/06/designing_ideas_of_inheritance_mechanism_in_javascript.html □□: □□□

□□: □□□ http://www.me115.com

□□□□Javascript□□□□□□

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Javascript□□□□□□□□□□□□□□□□□□□□□□□

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□□

```
if (myObj□□□){

    □□myObj;

}
```

□□Juriy Zaytsev□□□□□□□Javascript□□□□□□□□□□50□□□□□□□Javascript□
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```
if (!myObj) {

    myObj = { };

}
```

□□□□□□□□□□□□□□□□□□ReferenceError□□□□□□□□□□□□□□□□□

□□□if□□□□myObj□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
if (!myObj) {
```

```
        var myObj = { };
    }
```

□□□□□□□var□□□□□□□□□□□□□□□□□if□□□□□□□myObj□□□□□□□□

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```
    var myObj;
    if (!myObj) {
        var myObj = { };
    }
```

□□□if□□□□□□□myObj□□□□□□□□□□□□□□□□□□□var□□”□□□□”□hoisting□□□□Javascript□□□□□”□□”var□□□□□□□□□□□□var□□□□□□□□□□□□□□□□□□□□□□□var□□□□□□□

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□□var□□□□□□□□□□□□□□□□□□□□□□□

```
    if (!window.myObj) {
        myObj = { };
    }
```

window□javascript□□□□□□□□□□□□□□□□□□□□□□□□□myobj□□□□□□□□□□window□□□□□myobj□□□□□□□□□□□□myObj□□□□□□ReferenceError□□□□□□□□□□□□□□□□□□□□□□□□□□var□

```
    if (!window.myObj) {
        var myObj = { };
```

```
}
```

[illegible]

```
if (!window.myObj) {
      window.myObj = { };
}
```

[illegible]

[illegible]V8[illegible]Rhino[illegible]window[illegible]

```
if (!**this.myObj**) {
      this.myObj = { };
}
```

[illegible]this[illegible]

[illegible]

[illegible]this[illegible]

```
var global = this;
if (!global.myObj) {
      global.myObj = { };
}
```

[illegible]global[illegible]

[illegible]

□□□□□typeof□□□□□□myObj□□□□□□

```
if (typeof myObj == “undefined”) {

      var myObj = { };

}
```

□□□□□□□□□□□□javascript□□□□□□□□□□

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□□□□□□□□□□□□□□□□myObj□□□□□□undefined□□□□□□□□□□□□□

```
if (myObj == undefined) {

      var myObj = { };

}
```

□□□□□□□□□□□□□□□□□□var□□□□□□□□□□□ReferenceError□□□□□undefined□□□□□□□□□□□□□□□□□□□undefined□□□□□□□□□□”undefined”□□□□□□

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□□□□□□”□□□□”□===□□□□□□□□□□□

```
if (myObj === undefined) {

      var myObj = { };

}
```

□□□□□

□□javascript□□□□□□undefined == null□□□□□myObj□□□□null□□□□□□□□□□

```
if (myObj == null) {
      var myObj = { };
}
```

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□□□□□in□□□□□□myObj□□□□□□□□□□□□□

```
if (!('myObj' in window)) {
      window.myObj = { };
}
```

□□□□□

□□□□□hasOwnProperty□□□□□myObj□□□□□□□□□□□□□

```
if (!this.hasOwnProperty('myObj')) {
      this.myObj = { };
}
```

□□

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2. □□□□□□□□□□□□□□□□□□□□null□□□□□□□□□□□□
3. □□□□□□□□□□□□□□□□var□□□□□
4. □□□□□□□□□□□□window□□□□□□□

5. 5. □Javascript□□□□null□undefined□□□□□□□□□□□□□□□□□□□□□
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Note

□□□□:
http://www.ruanyifeng.com/blog/2011/05/how_to_judge_the_existence_of_a_global_object_in_javascript.html □□: □□□

□□: □□□ http://www.me115.com

□□□□□Quicksort□□Javascript□□

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□□□□□C. A. R. Hoare□1934—□□1960□□□□□□

“□□□□”□□□□□□□□□□□□□□□□□□□

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[illegible]quickSort[illegible]

```
var quickSort = function(arr) {
};
```

[illegible]1[illegible]

```
var quickSort = function(arr) {
    if (arr.length <= 1) { return arr; }
};
```

[illegible]”[illegible]”[illegible]pivot[illegible]

```
var quickSort = function(arr) {
    if (arr.length <= 1) { return arr; }
    var pivotIndex = Math.floor(arr.length / 2) ;
    var pivot = arr.splice(pivotIndex, 1)[0];
    var left = [];
    var right = [];
};
```

[illegible]”[illegible]”[illegible]

```
var quickSort = function(arr) {
    if (arr.length <= 1) { return arr; }
    var pivotIndex = Math.floor(arr.length / 2) ;
    var pivot = arr.splice(pivotIndex, 1)[0];
```

```
        var left = [];
        var right = [];
        for (var i = 0; i < arr.length; i++){
            if (arr[i] < pivot) {
                left.push(arr[i]);
            } else {
                right.push(arr[i]);
            }
        }
    };
```

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```
    var quickSort = function(arr) {
        if (arr.length <= 1) { return arr; }
        var pivotIndex = Math.floor(arr.length / 2);
        var pivot = arr.splice(pivotIndex, 1)[0];
        var left = [];
        var right = [];
        for (var i = 0; i < arr.length; i++){
            if (arr[i] < pivot) {
                left.push(arr[i]);
```

```
            } else {
                right.push(arr[i]);
            }
        }
        return quickSort(left).concat([pivot], quickSort(right));
    };
```

□□□□□□□□□□quickSort()□□□□

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2011/04/quicksort_in_javascript.html □□: □□□

□□: □□□ http://www.me115.com

Firebug□□□□□

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Firebug□□□□□□□□□□□□□□□□□□□□□

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Firebug□□□□□

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Firebug□□□□console□□□□□5□□□□□□□□□□□

□□□□□□□console.log()□□□□□□□alert()□document.write()□□□□□
□□□□□□□console.log(“Hello World”)□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□console□□□□4□□□□□□□□□□□□□□□□
console.info()□□□□□console.debug()□□□□□console.warn()□□□
□□console.error()□

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```
console.info(“□□info”);
```

```
console.debug(“□□debug”);

console.warn(“□□warn”);

console.error(“□□error”);
```

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console□□□□□5□□□□□□□□□printf□□□□□□□□□□□□□□□□□□□□□□□□□□□%s□□□□□%d□%i□□□□□□%f□□□□□%o□□□□

□□□

```
console.log(“%d□%d□%d□”,2011,3,26);

console.log(“□□□□%f”,3.1415926);
```

%o□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
var dog = {} ;

dog.name = “□□” ;

dog.color = “□□”;
```

□□□□□□□o%□□□□

```
console.log(“%o”,dog);
```

□□□□□□

□□□□□□□□□□□□□□□□□□□□console.group()□console.groupEnd()□

```
console.group(“□□□□□”);
    console.log(“□□□□□□”);
    console.log(“□□□□□□”);
console.groupEnd();
console.group(“□□□□□”);
    console.log(“□□□□□□”);
    console.log(“□□□□□□”);
console.groupEnd();
```

□□□□□□□□□□□□□□□□□

□□console.dir()

console.dir()□□□□□□□□□□□□□□□□□

□□□□□□□□□□dog□□□□□□□bark()□□□

```
dog.bark = function(){alert(“□□□”);};
```

□□□□□□□□□□□□

```
console.dir(dog);
```

□□console.dirxml()

console.dirxml()□□□□□□□□□□□□node□□□□□html/xml□□□

□□□□□□□□□□□□□

```
var table = document.getElementById(“table1”);
```

□□□□□□□□□□□□□□

```
console.dirxml(table);
```

[illegible]console.assert()

console.assert()[illegible]

[illegible]

```
var result = 0;

console.assert( result );

var year = 2000;

console.assert(year == 2011 );
```

[illegible]console.trace()

console.trace()[illegible]

[illegible]

```
function add(a,b){

      return a+b;

}
```

[illegible]console.trace()[illegible]

```
function add(a,b){

      console.trace();

      return a+b;

}
```

□□□□□□□□□□□□□□

```
var x = add3(1,1);

function add3(a,b){return add2(a,b);}

function add2(a,b){return add1(a,b);}

function add1(a,b){return add(a,b);}
```

□□□□□□□add()□□□□□□□□□□□□□add()□add1()□add2()□add3()□

□□□□□□

console.time()□console.timeEnd()□□□□□□□□□□□□□

```
console.time(“□□□□”);

for(var i=0;i<1000;i++){

      for(var j=0;j<1000;j++){}

}

console.timeEnd(“□□□□”);
```

□□□□□□

□□□□□Profiler□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□console.profile()□

□□□□□□□Foo()□□□□□□□□□□□□funcA()□funcB()□□□funcA()□□10□□funcB()□□1□□

```
function Foo(){

      for(var i=0;i<10;i++){funcA(1000);}

      funcB(10000);
```

```
}

function funcA(count){

    for(var i=0;i

}

function funcB(count){

    for(var i=0;i

}
```

[illegible]Foo()[illegible]

```
console.profile('[illegible]');

Foo();

console.profileEnd();
```

[illegible]

[illegible]12[illegible]2.656[illegible]funcA()[illegible]10[illegible]1.391[illegible]0.123[illegible]0.284[illegible]0.139[illegible]funcB()[illegible]1[illegible]1.229ms[illegible]

[illegible]console.profile()[illegible]firebug[illegible]"[illegible]"[illegible]Profiler[illegible]"[illegible]"[illegible]ajax[illegible]"[illegible]"[illegible]

[illegible]

[illegible]

[illegible]Javascript[illegible]Javascript[illegible]CSS[illegible]XML[illegible]

[illegible]”[illegible]XMLHttpRequests”[illegible]ajax[illegible]
ajax[illegible]

[illegible]YUI[illegible][illegible]ajax[illegible]GET[illegible]http[illegible]
[illegible]

[[illegible]]

* Firebug Tutorial - Logging, Profiling and CommandLine (Part I)

* Firebug Tutorial - Logging, Profiling and CommandLine (Part II)

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2011/03/firebug_console_tutorial.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

[illegible]

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[illegible][illegible]Frame[illegible]

[illegible]

[illegible]

[illegible]
URL[illegible]

```
if (top.location.hostname != window.location.hostname)
{

    top.location.href = window.location.href;

}
```

[illegible]

[illegible] top.location.hostname [illegible] www.111.com[illegible]
window.location.hostname [illegible] www.222.com[illegible]111.com[illegible]
222.com[illegible] top.location.hostname !=
window.location.hostname [illegible]

[illegible]

[illegible]cross-domain[illegible]222.com[illegible]
111.com[illegible]IE[illegible]”[illegible]”[illegible]
top.location.hostname[illegible]

[illegible]

□□□□□□□□□□□□top.location.hostname□□□□□□□□□□□□□□□
□□□□□top□□□URL□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
try{

      top.location.hostname;

}

catch(e){

      top.location.href = window.location.href;

}
```

□□□□□□□□IE□Firefox□□□□□□□□□Chrome□□□□□□□□□□□□
□□□□□Chrome□top.location.hostname□□□

□□□□□□□Chrome□□□□□□□□

```
try{

      top.location.hostname;

      if (top.location.hostname !=
window.location.hostname) {

            top.location.href =window.location.href;

      }

}

catch(e){

      top.location.href = window.location.href;

}
```

[illegible]Blog[illegible]

P.S.

[illegible]

[illegible]6[illegible]5[illegible][illegible][illegible]

“[illegible]Blog[illegible]”

[illegible]Daisy[illegible][illegible][illegible]

[illegible][illegible][illegible]

[illegible]Daisy[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2010/08/anti-frameset_javascript_codes_continued.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Javascript□□□□□□□□□□□□□□□□□

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□□□□□□□□□□□□□□□□□□□□□”□□”□

□□□□□**”**□□□□□**”**□□□□

□□□□□□□□□□□□□□□□”□□□”□

```
var Chinese = {
      nation:’□□’
};
```

□□□□□□□□□□□”□□”□

```
var Doctor ={
      career:’□□’
}
```

□□□□□□□□”□□”□□□”□□□”□□□□□□□□□□□□□□□□”□□□□”□□□□

□□□”□□”□

□□object()□□

json□□□□□□□Douglas Crockford□□□□□□object()□□□□□□□□□□□□□

```
function object(o) {

      function F() {}
```

```
        F.prototype = o;

        return new F();

    }
```

□□object()□□□□□□□□□□□□□□□□□□prototype□□□□□□□□□□□□□□□□
□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□

```
var Doctor = object(Chinese);
```

□□□□□□□□□□□□□□□

```
Doctor.career = ‘□□’;
```

□□□□□□□□□□□□□□□□□□□

```
alert(Doctor.nation); //□□
```

□□□□□

□□□□”prototype□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□

```
        function extendCopy(p) {

            var c = {};

            for (var i in p) {
                c[i] = p[i];
            }

            c.uber = p;

            return c;
```

```
    }
```

□□□□□□□□□□

```
var Doctor = extendCopy(Chinese);

Doctor.career = '□□';

alert(Doctor.nation); // □□
```

□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□Chinese□□□□”□□□”□□□□□□□□□□□□

```
Chinese.birthPlaces = ['□□','□□','□□'];
```

□□extendCopy()□□□Doctor□□□Chinese□

```
var Doctor = extendCopy(Chinese);
```

□□□□□□Doctor□”□□□”□□□□□□□

```
Doctor.birthPlaces.push('□□');
```

□□□□□□□Chinese□”□□□”□□□□□□

```
alert(Doctor.birthPlaces); //□□, □□, □□, □□

alert(Chinese.birthPlaces); //□□, □□, □□, □□
```

□□□extendCopy()□□□□□□□□□□□□□□□□□□□□□”□□□”□□□□□jQuery
□□□□□□□□

□□□□□

□□”□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□”□□
□□

```
function deepCopy(p, c) {
    var c = c || {};
    for (var i in p) {
        if (typeof p[i] === ‘object’) {
            c[i] = (p[i].constructor === Array) ? [] :
{};
            deepCopy(p[i], c[i]);
        } else {
             c[i] = p[i];
        }
    }
    return c;
}
```

□□□□□□□□□

```
var Doctor = deepCopy(Chinese);
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
Chinese.birthPlaces = [‘□□’,’□□’,’□□’];

Doctor.birthPlaces.push(‘□□’);
```

□□□□□□□□□□□□□□□

```
alert(Doctor.birthPlaces); //□□, □□, □□, □□

alert(Chinese.birthPlaces); //□□, □□, □□
```

□□□jQuery□□□□□□□□□□□□□

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2010/05/object-oriented_javascript_inheritance_continued.html □□: □□□

□□: □□□ http://www.me115.com

Javascript□□□□□□□□□□□□□□□□□

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□□□□□[□□□□]□□□□□□□□”□□”□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□”□□”□□□□□□

□□□□□□□□”□□”□□□□□□□□

```
function Animal(){
    this.species = “□□”;
}
```

□□□□□”□”□□□□□□□□

```
function Cat(name,color){
    this.name = name;
    this.color = color;
}
```

□□□□□□”□”□□”□□”□□

□□ □□□□□□

□□□□□□□□□□□□□□□□call□apply□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□

```
function Cat(name,color){

    Animal.apply(this, arguments);

    this.name = name;

    this.color = color;

}

var cat1 = new Cat("□□","□□");

alert(cat1.species); // □□
```

□□ prototype□□

□□□□□□□□□□prototype□□□

□□"□"□prototype□□□□□□□Animal□□□□□□□"□"□□□□□□□
Animal□□

```
Cat.prototype = new Animal();

Cat.prototype.constructor = Cat;

var cat1 = new Cat("□□","□□");

alert(cat1.species); // □□
```

□□□□□□□□□Cat□prototype□□□□□□Animal□□□□

```
Cat.prototype = new Animal();
```

□□□□□□□□prototype □□□□□□□□□□□□□□□□□□□□□□□□□□□

```
Cat.prototype.constructor = Cat;
```

□□□□□□prototype□□□□□□constructor□□□□□□□□□□□□□□
□"Cat.prototype = new Animal();"□□□□

Cat.prototype.constructor□□□Cat□□□□□□□□□□
Cat.prototype.constructor□□Animal□

```
alert(Cat.prototype.constructor == Animal); //true
```

□□□□□□□□□□□□□□□constructor□□□□□□□prototype□□□
constructor□□□

```
alert(cat1.constructor == Cat.prototype.constructor); //
true
```

□□□□□□”Cat.prototype = new Animal();”□□□□□□
cat1.constructor□□□Animal□

```
alert(cat1.constructor == Animal); // true
```

□□□□□□□□□□□□□cat1□□□□□□□□Cat□□□□□□□□□□□□□□□□□
Cat.prototype□□□constructor□□□Cat□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□prototype□□□

```
o.prototype = {};
```

□□□□□□□□□□□□prototype□□□□constructor□□□□□□□□□□□□□□□□□
□□

```
o.prototype.constructor = o;
```

□□ □□□□prototype

□□□□□□□□□□□□□□□□□□Animal□□□□□□□□□□□□□□□□
Animal.prototype□□□□□□□□□□Cat()□□ Animal()□□□□□
Animal.prototype□

□□□□□□□Animal□□□□□

```
function Animal(){ }
```

```
Animal.prototype.species = “□□”;
```

□□□□Cat□prototype□□□□□□□Animal□prototype□□□□□□□□□□□□

```
Cat.prototype = Animal.prototype;

Cat.prototype.constructor = Cat;

var cat1 = new Cat(“□□”,”□□”);

alert(cat1.species); // □□
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Animal□□□□□□□□□□□□□□□
Cat.prototype□Animal.prototype□□□□□□□□□□□□□□□□
Cat.prototype□□□□□□□□□Animal.prototype□

□□□□□□□□□□□□□□□□□□□□□□□

```
Cat.prototype.constructor = Cat;
```

□□□□□□□Animal.prototype□□□constructor□□□□□□□

```
alert(Animal.prototype.constructor); // Cat
```

□□ □□□□□□□□□

□□”□□□□prototype”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
var F = function(){};

F.prototype = Animal.prototype;

Cat.prototype = new F();

Cat.prototype.constructor = Cat;
```

F□□□□□□□□□□□□□□□□□□□Cat□prototype□□□□□□□□□Animal□
prototype□□□

```
alert(Animal.prototype.constructor); // Animal
```

[illegible]

```
function extend(Child, Parent) {
    var F = function(){};

    F.prototype = Parent.prototype;

    Child.prototype = new F();

    Child.prototype.constructor = Child;

    Child.uber = Parent.prototype;

}
```

[illegible]

```
extend(Cat,Animal);

var cat1 = new Cat(“[illegible]”,”[illegible]”);

alert(cat1.species); // [illegible]
```

[illegible]extend[illegible]YUI[illegible]

[illegible]

```
Child.uber = Parent.prototype;
```

[illegible]uber[illegible]prototype[illegible]uber[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible] [illegible]

[illegible]prototype[illegible]”[illegible]”[illegible]

[illegible]

[illegible]Animal[illegible]prototype[illegible]

```
function Animal(){}

Animal.prototype.species = “[illegible]”;
```

[illegible]

```
function extend2(Child, Parent) {

      var p = Parent.prototype;

      var c = Child.prototype;

      for (var i in p) {

            c[i] = p[i];

            }

      c.uber = p;

}
```

[illegible]prototype[illegible]Child[illegible]prototype[illegible]

[illegible]

```
extend2(Cat, Animal);

var cat1 = new Cat(“[illegible]”,”[illegible]”);

alert(cat1.species); // [illegible]
```

[illegible][[illegible]][illegible]

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2010/05/object-oriented_javascript_inheritance.html □□: □□□

□□: □□□ http://www.me115.com

Javascript [illegible]

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[illegible]Javascript[illegible]

[illegible]Object[illegible]Javascript[illegible]Object[illegible]

[illegible]

[illegible]Javascript[illegible]Object-Oriented JavaScript[illegible]

[illegible]Javascript[illegible]Professional JavaScript for Web Developers, 2nd Edition)

[illegible]Javascript[illegible]

[illegible]”[illegible]”[illegible]Encapsulation[illegible]”[illegible]”[illegible]Inheritance[illegible]

Javascript [illegible]

[illegible]

Javascript[illegible]object-based[illegible]OOP[illegible]class[illegible]

[illegible]”[illegible]”[illegible]property[illegible]”[illegible]”[illegible]method[illegible]

[illegible]

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

```
var Cat = {
    name : ”,
    color : ”
}
```

□□□□□□□□□□□□□□□□□□□□schema□□□□□□□□□□□□

```
var cat1 = {}; // □□□□□□□
    cat1.name = “□□”; // □□□□□□□□□□□
    cat1.color = “□□”;
var cat2 = {};
    cat2.name = “□□”;
    cat2.color = “□□”;
```

□□□
□□□

□□ □□□□□□□

□□□□□□□□□□□□□□□□□□□□□

```
function Cat(name,color){
    return {
        name:name,
        color:color
    }
```

```
}
```

□□□□□□□□□□□□□□□□□□□

```
var cat1 = Cat(“□□”,”□□”);

var cat2 = Cat(“□□”,”□□”);
```

□□□□□□□□□□□cat1□cat2□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□ □□□□□□

□□□□□□□□□□□□□□□□□Javascript□□□□□□□□□□Constructor□□□□

□□”□□□□”□□□□□□□□□□□□□□□□□□□this□□□□□□□□□new□□□□□□
□□□□□□this□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□

```
function Cat(name,color){

      this.name=name;

      this.color=color;

}
```

□□□□□□□□□□□□□□□

```
var cat1 = new Cat(“□□”,”□□”);

var cat2 = new Cat(“□□”,”□□”);

alert(cat1.name); // □□

alert(cat1.color); // □□
```

□□cat1□cat2□□□□□□□constructor□□□□□□□□□□□□□

```
alert(cat1.constructor == Cat); //true

alert(cat2.constructor == Cat); //true
```

Javascript□□□□□□instanceof□□□□□□□□□□□□□□□□□□□□□

```
alert(cat1 instanceof Cat); //true

alert(cat2 instanceof Cat); //true
```

□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□Cat□□□□□□□□□□□”type”□□□□□□□□□□□□eat□□□□□□□
□□□□□□Cat□□□□□□□□□

```
function Cat(name,color){

    this.name = name;

    this.color = color;

    this.type = “□□□□”;

    this.eat = function(){alert(“□□□”);};

}
```

□□□□□□□□□□□□□□□

```
var cat1 = new Cat(“□□”,”□□”);

var cat2 = new Cat (“□□”,”□□”);

alert(cat1.type); // □□□□

cat1.eat(); // □□□
```

[illegible]type[illegible]
eat()[illegible]
[illegible]

```
alert(cat1.eat == cat2.eat); //false
```

[illegible]type[illegible]eat()[illegible]

[illegible] **Prototype**[illegible]

Javascript[illegible]prototype[illegible]
[illegible]

[illegible]prototype[illegible]

```
function Cat(name,color){

    this.name = name;

    this.color = color;

}

Cat.prototype.type = “[illegible]”;

Cat.prototype.eat = function(){alert(“[illegible]”)};
```

[illegible]

```
var cat1 = new Cat(“[illegible]”,”[illegible]”);

var cat2 = new Cat(“[illegible]”,”[illegible]”);

alert(cat1.type); // [illegible]

cat1.eat(); // [illegible]
```

□□□□□□□type□□□eat()□□□□□□□□□□□□□□□□□prototype□□□□□□□□
□□□□□□

```
alert(cat1.eat == cat2.eat); //true
```

□□ Prototype□□□□□□□

□□□□prototype□□□Javascript□□□□□□□□□□□□□□□□□□□

6.1 isPrototypeOf()

□□□□□□□□□□□proptotype□□□□□□□□□□□□□

```
alert(Cat.prototype.isPrototypeOf(cat1)); //true

alert(Cat.prototype.isPrototypeOf(cat2)); //true
```

6.2 hasOwnProperty()

□□□□□□□□□□hasOwnProperty()□□□□□□□□□□□□□□□□□□□□□□□□□
prototype□□□□□□

```
alert(cat1.hasOwnProperty(“name”)); // true

alert(cat1.hasOwnProperty(“type”)); // false
```

6.3 in□□□

in□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
alert(“name” in cat1); // true

alert(“type” in cat1); // true
```

in□□□□□□□□□□□□□□□□□□□□

```
for(var prop in cat1) {
alert(“cat1[“+prop+”]=”+cat1[prop]); }
```

□□□

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2010/05/object-oriented_javascript_encapsulation.html □□: □□□

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Javascript□this□□

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this□Javascript□□□□□□□□

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```
function test(){

      this.x = 1;

}
```

□□□□□□□□□□□□this□□□□□□□□□□□□□□□□□□□□□this□□□□□□□□□□□
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□□□□□□□□□□□□□□□□1□

```
function test(){

      this.x = 1;

      alert(this.x);

}

test(); // 1
```

□□□□this□□□□□□□□□□□□□□□□□

```
var x = 1;
function test(){
      alert(this.x);
}
test(); // 1
```

□□□□□□1□□□□□□

```
var x = 1;
function test(){
      this.x = 0;
}
test();
alert(x); //0
```

□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□this□□□□□□□□□

```
function test(){
      alert(this.x);
}
var o = {};
o.x = 1;
o.m = test;
```

```
o.m(); // 1
```

情况三 作为构造函数调用

所谓构造函数，就是通过这个函数生成一个新对象（object）。这时，this就指这个新对象。

```
function test(){
      this.x = 1;
}
var o = new test();
alert(o.x); // 1
```

运行结果为1。为了表明这时this不是全局对象，我对代码做一些改变：

```
var x = 2;
function test(){
      this.x = 1;
}
var o = new test();
alert(x); //2
```

运行结果为2，表明全局变量x的值根本没变。

情况四 apply调用

apply()是函数对象的一个方法，它的作用是改变函数的调用对象，它的第一个参数就表示改变后的调用这个函数的对象。因此，this指的就是这第一个参数。

```
var x = 0;
```

```
function test(){

    alert(this.x);

}

var o={};

o.x = 1;

o.m = test;

o.m.apply(); //0
```

apply()[illegible]0[illegible]this[illegible]

[illegible]

```
o.m.apply(o); //1
```

[illegible]1[illegible]this[illegible]o[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2010/04/using_this_keyword_in_javascript.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

12□□□□□Javascript□□

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diagram□□□□□□□□□□□□□□□□□□□□□□□□□Javascript□□□□□□□3□□
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1. ==

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□□□□□□□□□□□□□□□□□□□true□□false□

false == ‘false’

false == undefined

false == null

null == undefined

0 == ”

□□□□false□□□□□true□

2. with

with□□□□□□□□□□□□□

obj.a = obj.b;

obj.c = obj.d;

□□□□□

```
with(obj) {               a = b;
      c = d;
}
```

□□□□□□□□□□□□□□□□□□obj.b□obj.d□□□□□□□□□□□□□□□□□□□□b□d□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□with□□□

3. eval

eval□□□

eval□□□□□□□□□□□□□□□□□□

eval(“myValue = myObject.” + myKey + “;”);

□□□□□□

```
myValue = myObject[myKey];
```

□□ajax□□□□□json□□□□□□□□□□□□□□□□□□[json_parse.js]□□□

4. continue

□□□
□□□□□□□□□□□□□

5. switch □□

switch□□□□case□□□□□□□□□□□□□□□break□return□throw□□□□□□
□□□□□□□□□□□

```
switch(n) {              case 1:              case 2:
            break;
}
```

□□□□□□□□□□□□□□□□□□□□□switch□□□□□□case□□□□□□□□break□

```
switch(n) {              case 1:                   break;
case 2:
            break;
}
```

6. □□□□□□

if□while□do□for□□□□□□□□□□□□□□□□□□□□□□□

```
if (ok) t = true;
```

□□□□

```
if (ok)
      t = true;
```

□□

```
if (ok){
      t = true;
}
```

7. ++□—

□□□□++□□□□□—□□□□C□□□□□□□□□□□□□□□□□□□□□□□□
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8. □□□

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9. function□□

□Javascript□□□□□□□□□□□□

```
function foo() { }
```

□

```
var foo = function () { }
```

□□
□□□□□□□□□□□□□□□□□□□□□□□

10. □□□□□□□□□

Javascript□□□□□□□□□□□□□□□□□□□□□□□□□□String□
Number□Boolean□□□□□□□□□□□□

```
new String("Hello World");

new Number(2000);

new Boolean(false);
```

[illegible]

[illegible]new Object[illegible]new Array[illegible]{}[illegible][][illegible]

11. new[illegible]

Javascript[illegible]Lambda[illegible]Lisp[illegible]90%[illegible]Javascript[illegible]

[illegible]

```
var Cat = function (name) {          this.name = name;
      this.saying = 'meow' ;
}
```

[illegible]

```
var myCat = new Cat('mimi');
```

[illegible]new[illegible]new[illegible]

Douglas Crockford[illegible]

```
Object.beget = function (o) {          var F = function
(o) {};

      F.prototype = o ; |          return new F; |     };
```

[illegible]

```
var Cat = {              name:”,
      saying:’meow’
};

var myCat = Object.beget(Cat);
```

[illegible]

```
myCat.name = ‘mimi’;
```

12. void

[illegible]void[illegible]Javascript[illegible]void[illegible]undefined[illegible]

```
void 0; // undefined
```

[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2010/01/12_javascript_syntax_structures_you_should_not_use.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Javascript

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Javascript

CSS

viewport

clientHeight clientWidth padding border

clientHeight clientWidth

document clientHeight clientWidth

```
function getViewport(){ if (document.compatMode ==

“BackCompat”){ return { width: document.body.clientWidth, height: document.body.clientHeight } } else { return { width:
```

document.documentElement.clientWidth,
height: document.documentElement.clientHeight
} | } | }

[illegible]getViewport[illegible]

1[illegible]document[illegible]

2[illegible]document.documentElement.clientWidth[illegible]IE6[illegible]quirks[illegible]document.body.clientWidth[illegible]

3[illegible]clientWidth[illegible]clientHeight[illegible]

[illegible]

[illegible]scrollHeight[illegible]scrollWidth[illegible]

[illegible]document[illegible]scrollHeight[illegible]scrollWidth[illegible]

[illegible]getViewport()[illegible]getPagearea()[illegible]

function getPagearea(){ if
(document.compatMode ==

“BackCompat”){ return { width:
document.body.scrollWidth, height:
document.body.scrollHeight } } else {
return { width:
document.documentElement.scrollWidth,
height: document.documentElement.scrollHeight
} | } | }

[illegible]
clientWidth[illegible]scrollWidth[illegible]

[illegible]getPagearea()[illegible]

```
function getPagearea(){              if
(document.compatMode ==

"BackCompat"){                    return {                         width:
Math.max(document.body.scrollWidth,
                                        document.body.clientWidth),
                    height:
Math.max(document.body.scrollHeight,
                                        document.body.clientHeight)
               }            } else {               return {
                    width:
Math.max(document.documentElement.scrollWidth,

document.documentElement.clientWidth),
height: Math.max(document.documentElement.scrollHeight,

document.documentElement.clientHeight)                } |
          } |       }
```

[illegible]

[illegible]

[illegible]offsetTop[illegible]offsetLeft[illegible]
[illegible]offsetParent[illegible]

[illegible] offsetTop[illegible]offsetLeft[illegible]

[illegible]

```
function getElementLeft(element){
     var actualLeft = element.offsetLeft;
     var current = element.offsetParent;
     while (current !== null){                actualLeft +=
```

```
current.offsetLeft; |                    current =
current.offsetParent; |              }

            return actualLeft;
      }
      function getElementTop(element){
            var actualTop = element.offsetTop;
            var current = element.offsetParent;
            while (current !== null){                    actualTop +=

current.offsetTop; |                    current =
current.offsetParent; |              }

            return actualTop;
      }
```

□□□□□iframe□□offsetParent□□□□□□□□□□□□□□□□□□□□iframe□□□□□□□

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□□□document□□□scrollTop□□□□□□□□□□□□□□document□□□scrollLeft□□□

□□□ scrollTop□scrollLeft□□□

□□□□□□□□□□□□□□□□

```
      function getElementViewLeft(element){
            var actualLeft = element.offsetLeft;
            var current = element.offsetParent;
            while (current !== null){                    actualLeft +=
```

```
current.offsetLeft; |                    current =
current.offsetParent; |             }

            if (document.compatMode == “BackCompat”){
                  var

elementScrollLeft=document.body.scrollLeft;             } else
{ |                    var
elementScrollLeft=document.documentElement.scrollLeft; |
            }

            return actualLeft-elementScrollLeft;
      }
      function getElementViewTop(element){
            var actualTop = element.offsetTop;
            var current = element.offsetParent;
            while (current !== null){                    actualTop +=
current.

offsetTop; |                    current = current.offsetParent; |
            }

             if (document.compatMode == “BackCompat”){
                  var

elementScrollTop=document.body.scrollTop;             } else {
|                    var
elementScrollTop=document.documentElement.scrollTop; |
            }

            return actualTop-elementScrollTop;
      }
```

scrollTop[illegible]scrollLeft[illegible]element.scrollIntoView()[illegible]

[illegible]

[illegible]

[illegible]getBoundingClientRect()[illegible]left[illegible]right[illegible]top[illegible]bottom[illegible]viewport[illegible]

[illegible]

```
var X= this.getBoundingClientRect().left;
var Y =this.getBoundingClientRect().top;
```

[illegible]

```
var X=

this.getBoundingClientRect().left+document.documentElement.scrollLeft; |       var Y =this.getBoundingClientRect().top+document.documentElement.scrollTop;
```

[illegible]IE[illegible]Firefox 3.0+[illegible]Opera 9.5+[illegible]Firefox 2.x[illegible]Safari[illegible]Chrome[illegible]Konqueror[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2009/09/find_element_s_position_using_javascript.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

[illegible]Javascript[illegible]Closure[illegible]

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[illegible]closure[illegible]Javascript[illegible]

[illegible]Javascript[illegible]

[illegible]

[illegible]Javascript[illegible]

[illegible]

Javascript[illegible]

```
var n=999;

function f1(){
      alert(n);
}

f1(); // 999
```

[illegible]

```
function f1(){
      var n=999;
}

alert(n); // error
```

[illegible]var[illegible]

```
function f1(){
```

```
        n=999;
    }

    f1();

    alert(n); // 999
```

[illegible]

[illegible]

[illegible]

```
    function f1(){

        var n=999;

        function f2(){
            alert(n); // 999
        }

    }
```

[illegible]f2[illegible]f1[illegible]f1[illegible]f2[illegible]f2[illegible]f1[illegible]Javascript[illegible]”[illegible]”[illegible]chain scope[illegible]

[illegible]f2[illegible]f1[illegible]f2[illegible]f1[illegible]

```
    function f1(){

        var n=999;

        function f2(){
            alert(n);
        }
```

```
        return f2;

    }

    var result=f1();

    result(); // 999
```

[illegible]

[illegible]f2[illegible]

[illegible]”[illegible]”[illegible]closure[illegible]

[illegible]Javascript[illegible]”[illegible]”[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```
    function f1(){

        var n=999;

        nAdd=function(){n+=1}

        function f2(){
            alert(n);
        }

        return f2;
```

```
}

var result=f1();

result(); // 999

nAdd();

result(); // 1000
```

□□□□□□□result□□□□□□□f2□□□□□□□□□□□□□□□□□□999□□□□□□□1000□□□□□□□□f1□□□□□□n□□□□□□□□□□□□□f1□□□□□□□□□

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```
var name = “The Window”;
```

```
var object = {
      name : “My Object”,
      getNameFunc : function(){                    return
function(){
                  return this.name;
            };

      }

};

alert(object.getNameFunc()());
```

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```
var name = “The Window”;

var object = {
      name : “My Object”,
      getNameFunc : function(){                    var that
= this;

            return function(){ |                         return
that.name; |                    };

      }

};

alert(object.getNameFunc()());
```

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Note

□□□□:
http://www.ruanyifeng.com/blog/2009/08/learning_javascript_closures.html □□: □□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2009/05/ie8_developer_tools_tutorial_part_ii.html □□: □□□

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2010.8.15

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Note

[illegible]: http://www.ruanyifeng.com/blog/2008/10/anti-frameset_javascript_codes.html [illegible]: [illegible]

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   * [illegible]Park

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   * [illegible]Car Rent

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[illegible]”[illegible]”[illegible]Chinglish[illegible]

[illegible]

[illegible]Parking, Gas Station, Car Rental, No Photography[illegible]

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Guidelines for English Translations in Public Places

[illegible] DB31/T 457.1-2009

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[illegible]First Aid Kit[illegible]

[illegible]Press for Help[illegible]

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” …… ” Please Do Not … Thank You for Not -ing Thank You for Not Touching ” ” Thank You for Not Smoking

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□□□□Airport□

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Bus Terminal□□□□□□□□□□□□Metro Terminal□□□□□□□□□□□□
Passenger Terminal□

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Center□

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□□□□Park□□□□□□□□Garden□

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□□□□□□□□Amusement Park□□□□□□□□□□□□□□□□Children ‘s Playground□□□□□□□Theme Park□

□□□□□Aquarium□□□□□□□□□□□□□Ocean Park□

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□□□□□□Temple□□□□□□Jing’an Temple□□□□□Daoist Temple□□□□ □□Baiyun Daoist Temple□□□□□□Mosque□□□□□Church□ Cathedral□□□□□□□□□□Shanghai Community Church□□□□□□□ Dongjiadu Cathedral□

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□□□□□Art Gallery□Art Museum□

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□□□□University□□□□□□□□□□□□College□□□□□□□Graduate School□

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□□□□□□Television University□

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□□□□Affiliated to□□□□□□□□□□□□□□The Kindergarten Affiliated to East China Normal University□

□□□□Experimental□□□□□□□□□□Nanyang Experimental Kindergarten□

□□□□Model□□□□□□□□□□□□□□□□Shanghai Nanyang Model High School□

□□□□Joint□□□□□□□□□□□□□□□□Shanghai Jiayi Joint Middle School□

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1□□□□□Bank□

2. □□□□Branch□

□□□□□□□□□□□Shanghai Branch□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□The People’s Bank of China, Shanghai Branch□

3. □□□□Sub-Branch□

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□□□□□Bank of China, Shanghai Branch, Putuo Sub-Branch□□□
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4. □□□□□□□□□□□□□

□□□□□Banking Center□Banking Department□

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□□□Jiwang Office, Agricultural Bank of China□

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Exchange□

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Exchange□

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Securities Co., Ltd.□

Insurance Limited Company
Minsheng Life Insurance Co., Ltd.

Life Insurance

Property Insurance

8

Hospital Shanghai Meishan Hospital

Workers’ Hospital

Central Hospital

People’s Hospital

Traditional Chinese Medicine Hospital
Shanghai Traditional Chinese Medicine Hospital
TCM

Nursing Home

Hospital of Integrated Traditional Chinese and Western Medicine Yueyang Hospital of Integrated Traditional Chinese and Western Medicine
Hospital Yueyang Hospital

Shanghai Yuanyang Hospital

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□□□□□□□□□□Center for Disease Control and Prevention□

□□□□□□□□□□Community Health Center□

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□□China Mobile□□□□□□□□□China Telecom□□□□□China Unicom□□□□□China Tietong□□□□□China Netcom□

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□□□□□□□□□□□□□□□□□□□Central Business District (CBD)□

□□□□□□□Sub-CBD□□□□□□□□□□□Wujiaochang Sub-CBD□

□□□□Business Zone□□□□□□□□Xujiahui Business Zone□

□□□□□Commercial Street□□□□□□□□□□Sichuan Rd.(N) Commercial Street□

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□□□□□□□□Home Furnishing and Decorating Materials Store (Shop)□□□□□Bookstore□□□□□Book Mall□□□□□□□□Audio-Video Store (Shop)□□□□□□Dry Cleaning Store (Shop)□□□□□□□□□□□□□□□□Specialty Store (Shop)□□□□□□□□□Adult Store (Shop)□□□□□□□□□□□□□Jewelry□□□□□□Gold Store (Shop)□

□□□□□Convenience Store (Shop)□□□□□□Boutique□□□□□□Discount Store (Shop)□

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□□□□□□□ Leasing Company□Rental (Company) □Rental Shop□□□□□□□□□□□□□□□Shanghai Xinwei Automobile Leasing Co., Ltd.□

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□□ Restaurant□□□□□□□□Laozhengxing Restaurant□

□□□□□□□□□Fast Food Restaurant□Snack Bar□□□□□□□Buffet□

□□□□□□□Hot Pot□□□□□□□□Nanhua Hot Pot□

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□□□□Bar□□□□□□□□Miami Bar□

□□□□Teahouse□□□□□□□Dehe Teahouse□

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Note

□□□□: http://www.ruanyifeng.com/blog/2011/01/guidelines_for_english_translations_in_public_places.html □□: □□□

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[illegible]Nigel Tomm[illegible]blah[illegible]16[illegible]——[illegible]19[illegible]2403109[illegible]blah[illegible]2008[illegible]Mark Leach[illegible]Marienbad My Love[illegible]300[illegible]

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[illegible]20[illegible]”o”[illegible]38[illegible]”h”[illegible]”u”[illegible]”n”[illegible]
Emmm……Good luck……

P.S.

[illegible][illegible]（Marley & Me）[illegible]

[illegible]

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2009/04/the_longest_place_name_in_the_us.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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2006[illegible]SMITH[illegible]6[illegible]5[illegible]”[illegible]”[illegible]

[illegible]

[illegible]9[illegible]”**Cursed with cancer. Blessed by friends**“[illegible]

[illegible]”**I still make coffee for two**“[illegible]

[illegible]”**Nose broken, beauty queen changes profession**“[illegible]

[illegible]”**No wife. No kids. No problems**“[illegible]

[illegible]”**Lucky in everything else but love**“[illegible]

[illegible]”**Found true love, married someone else**“[illegible]

“**Ex-wife and contractor now have house**“[illegible]

“**Married for money. Divorced for love**“[illegible]

“**Moved in. No ring. Moved out**“[illegible]

[illegible]”Buy it, keep it in bathroom”[illegible][“[illegible]”]()[illegible]SMITH[illegible]

[illegible]it doesn’t make sense to me[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2009/02/six_word_memoirs.html [illegible]: [illegible]

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> [illegible]“[illegible]”

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[illegible]Jeremy Butterfield[illegible]*A Damp Squid: The English Language Laid Bare*[illegible]Oxford University Corpus[illegible]10[illegible]native speaker“[illegible]”[illegible]

[illegible]

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1. At the end of the day

> [illegible] [illegible]

> [illegible]Sure we missed our best player but at the end of the day, John, we just didn’t play well enough to win the game.[illegible]

> [illegible]At the end of the day, what matters is that you’re

> safe.[illegible] | [illegible]We interviewed many people for the job, but at the end of the day, we

didn’t think any of them could handle it.[illegible]

2. **Fairly unique**

[illegible]

[illegible]I am looking for a fairly unique piece of technology.[illegible]

3. **I personally**

[illegible]

[illegible]I personally don’t like her.[illegible]

4. **At this moment in time**

[illegible]

[illegible]What’s your favorite song right at this moment in time?[illegible]

5. **With all due respect**

[illegible]

[illegible]With all due respect, I think there are some facts you have not considered.[illegible]

6. **Absolutely**

[illegible]

[illegible]It is absolutely impossible.[illegible]

7. **It’s a nightmare**

[illegible]

[illegible]For Publishing, It’s a Nightmare Before Christmas.
[illegible]

8. Shouldn’t of

[illegible]shouldn’t have[illegible]“[illegible]”[illegible]

[illegible]I shouldn’t of had the beer![illegible]

[illegible]This game shouldn’t of got cancelled![illegible]

9. 24/7

[illegible]

[illegible]24/7 support is a critical part of our offer.[illegible]7[illegible]
24[illegible]

10. It’s not rocket science

[illegible]it doesn’t take a rocket
scientist

[illegible]We’re talking basic common sense here - it isn’t
rocket science.[illegible]

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2008/12/top_10_irritating_english_phrases.html [illegible]: [illegible]

Such

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such

such

1.

such

She’s got **such** talent.

We’re having **such** a wonderful time.

I’ve had **such** a shock.

Why are you in **such** a hurry?

2.

”such a wonderful time”

such such ”so wonderful a time” ”a time so wonderful”

3.

that such…that

He speaks to me in **such** a way **that** I always feel he is insulting me. [illegible]

It was **such** a boring speech (**that**) I fell asleep. [illegible]

[illegible]

4.

[illegible]“[illegible]”[illegible]

5.

[illegible]such[illegible]

He noticed her necklace. **Such** jewels must have cost thousands, he thought. [illegible]

This isn’t the only story of crulty to children. Many **such** cases are reported every day. [illegible]

6.

[illegible]such[illegible]such … as/that …[illegible]

Such a disaster **as** this had never happened to her before.[illegible]

The knot was fastened in **such** a way **that** it was impossible to undo. [illegible]

Such advice **as** he was given proved almost worthless.[illegible]

He’s not **such** a fool **as** he looks. [illegible]

[illegible]such…that[illegible]such…as[illegible]3[illegible]

[illegible]

7.

such[illegible]

8.

[illegible]

Cricket was boring. **Such** was her opinion befor meeting Ian. [illegible]Ian[illegible]

She’s a competent manager and has always been regarder as **such** by her colleagues. [illegible]

9.

[illegible]such as to do sth[illegible]such that[illegible]

Such is the influence of TV **that** it can make a person famous overnight.[illegible]

The pain in her foot wasn’t **such as to** stop her walking. [illegible]

The damage was **such that** it would cost too much to repair. [illegible]

[illegible] such as [illegible] as such

10.

such as[illegible]“[illegible]”[illegible]like[illegible]

Wild flowers **such as** orchids and primroses are becoming rare. [illegible]

Large and important projects **such as** this one often take years to develop. [illegible]

11.

[illegible]as such[illegible]“[illegible]”[illegible]

If this is not genuine champagne, it should not be labelled **as such**. [illegible]

The new job is not promotion **as such** but it has good prospects. [illegible]

[illegible]**such**[illegible]

12.

such[illegible]

Good night, good night! parting is such sweet sorrow,

Romeo and Juliet: II, ii

[illegible]

[illegible]

We are such stuff as dreams are made on, and our little life is rounded with a sleep.

The Tempest: IV, iv

[illegible]

Alas, our frailty is the cause, not we: For such as we are made of, such we be.

The Twelfth Night

I had rather be a dog, and bay the moon, than such a Roman.

Julius Caesar: IV, iii

Teach not thy lip such scorn, for it was made For kissing, lady, not for such contempt.

KING RICHARD III: I, ii

We were, fair queen, Two lads that thought there was no more behind. But such a day to-morrow as to-day. And to be boy eternal.

The Winter’s Tale: I, ii

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Note

□□□□: http://www.ruanyifeng.com/blog/2008/08/usage_of_such.html □□: □□□

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[illegible]

[illegible]

[illegible]“[illegible]”[illegible]Economic and Social Survey Corps[illegible]“[illegible]”[illegible]Deputy Secretary of Party Committee[illegible]“[illegible]”[illegible]Work Committee for Organizations directly under…[illegible]“ [illegible]”[illegible]Associate Counsel[illegible]“[illegible]”[illegible]Consultant[illegible]

[illegible]

1 [illegible]

[illegible]

[illegible]

2 [illegible]

[illegible] ([illegible]) [illegible], [illegible]

GB/T 16159 [illegible]

DB11/T 334 [illegible]

DB11/T 334.1 [illegible]

3 □□□

3.1 □□□□□□□□□

3.2 □□□□□□□□□□□□□□□“-”□□□□□□□Sub-District□

3.3 □□□□□□□□□□□□□□□□□□“-”□□□□□

3.4 □□□□□□□GB/T 16159□□□

4 □□□□□

4.1 □□□□□

4.1.1 □□□

□□□□□commission□□committee□

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□□ □□Beijing Municipal Commission of Education□

□□□□□□□□□□□□□□□□□□□□□□□committee□□□□□□
□□□□□□□□□ Management Committee of Zhongguancun Science and Technology Park□

4.1.2 □

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□□□□□Beijing Municipal Bureau of Commerce□□□□□□□□□
□ Dongcheng District Bureau of Commerce of Beijing Municipality□

4.1.3 □□□□

□□□□□□□ administrative committee □ administration□□
□:□□□□□□□□□□□□□, □□Administration of Tian’anmen Area of Beijing Municipal People’s Government□

□□□□□□□□□ management committee□□□□□□□□□□□□□□□□□
□□□□□□Management Committee of Beijing Central Agricultural Product Wholesale Market□

4.1.4 □

□□□division□

□□□□□“□□□”□□□management office□□□□□□□□□□□□□Beijing Summer Palace Management Office□

4.1.5 □□□□□

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4.1.6 □□

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4.1.7 □□□□

□□□□association□□□□□□federation□□□□□society□institute□□□□□□□group□□□□□□□□ XXX Co. Ltd.□□□□□□□□□XXX Holdings Company□XXX Holdings Co. Ltd.□

4.1.8 □□□□

4.1.8.1 □□□□□□□□□□□□□□□□□municipal□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Beijing Municipal Administration of

Quality and Technology Supervision□□□□□□□□□□□□□□□□□□□□□□□“□□□”□□□□□□municipal□□□□□□□□□□□□□□□ Beijing Consumers’ Association□

4.1.8.2 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Beijing Committee of the Chinese People’s Political Consultative Conference□

4.1.8.3 □□□□□□□□□□□□□□□□□□□□□A□□□

4.2 □□□□

4.2.1 □□□□□□□□□□□□□□□□

□□ Changping District Bureau of Labor and Social Security of Beijing Municipality□

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□□Beijing Fengtai District Committee of Communist Youth League of China□

4.2.2 □□□

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4.3 □□□□

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4.3.1 □□□□□□

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□□Shijinhuayuan Hutong, Dongsi, Dongcheng District□

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4.3.2 □

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□□□□□□□□□□□□township□□□□□□□□□□□□□□□□□Hugezhuang Village, Lucheng Township□Tongzhou District□

5 □□□□□□

5.1.1 □□□□□□□□□□□

□□□□□□□□□□□□□□chairman(□□)□chairwoman(□□)□

5.1.2 “□”□

“□”□□□deputy□□□□□□□□□□deputy district mayor, □□□deputy director, □□□deputy division director□

□□“□”□□□□□□□□vice□□□□□□□□□□vice chairman□□□□□vice chairman□□□□vice mayor□□□□vice president□

Vice □deputy□□□□□□“-”□

5.1.3 □□

□□□□□director□□□□(□)□□□□□□□director-general□□□□□□□□chairman□

5.1.4 □□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□Class-I actor□

□□□□□□□Class□□□□□□□□□□□□□□□□□□Class-I director, □□□□□Class-III notary□

□□□□□□□□□□□□□A□B □□□□□□□□□□□□□□Class-A teacher, □□□□Class-B teacher□

□□□□□□□□□□□□□□□□□□First-Class, Second-Class □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Telegraph Operator, First-Class□□□□□□□□□□□□□□Navigator, Second-Class□

5.1.5 □□□□□□□□□□□□□□□□□□□□□□B□□□

□ □ A

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A.1 □□□□□□□□□□□□□□□□□□□□□□□□□

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[illegible]A.1 [illegible]

[illegible]

[illegible]

[illegible]

1

[illegible]

Communist Party of China (CPC)

2

[illegible]

Department

3

[illegible]

Organization Department

4

[illegible]

Publicity Department

5

[illegible]

United Front Department

6

[illegible]

Committee/Commission

7

[illegible]

Municipal Committee

8

[illegible]

District Committee

9

[illegible]

Work Committee for Organizations directly under…

10

[illegible]

Commission for Discipline Inspection

11

[illegible]

Judicial and Law Enforcement Committee

12

[illegible]

Office

13

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Policy Planning Office

A.2 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□A.2 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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1

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People’s Congress

2

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Standing Committee

3

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Credentials Committee

4

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Motions Examination Committee

5

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Ethnic Affairs Committee

6

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Law Committee

7

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Finance and Economy Committee

8

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Foreign Affairs Committee

9

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Education, Science, Culture and Health Committee

10

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Internal and Judicial Affairs Committee

11

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Overseas Chinese Affairs Committee

12

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Legislative Affairs Committee

13

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Special Inquiries Committee

14

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Constitution Amendments Committee

15

□□□□□□□□□□

The Chinese People’s Political Consultative Conference

16

□□□□□□□□□□□

Committee

17

□□□□□

Proposals Committee

18

[illegible]

Culture, Education, Health and Sports Committee

19

[illegible]

Social and Legal Affairs Committee

20

[illegible]

Committee for Liaison with Hong Kong, Macao, Taiwan and Overseas Chinese

21

[illegible]

Economic Affairs Committee

22

[illegible]

Cultural and Historical Records Committee

A.3 [illegible]

[illegible]A.3[illegible]

[illegible]A.3 [illegible]

[illegible]

[illegible]

[illegible]

1

[illegible]

Bureau of Public Security

2

[illegible]

Branch Bureau

3

[illegible]

Police Station

4

[illegible]

Procuratorate

5

[illegible]

Court

6

[illegible]

Tribunal

7

□□□

Case Filing Chamber

8

□□□□□

Criminal Tribunal

9

□□□□□

Civil Tribunal

10

□□□□□

Economic Tribunal

11

□□□□□

Administrative Tribunal

12

□□□□□

Trial Supervision Tribunal

13

□□□

Enforcement Chamber

14

□□

Customs

15

□□□□□□□□

Border Checkpoint

16

□

Station

A.4 □□□□□□□□□□□□□□□□□□□□□□□□□□

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1

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Bureau of Public Security

2

□□

Branch Bureau

3

□□□

Police Station

4

□□□

Procuratorate

5

□□

Court

6

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Tribunal

7

□□□

Case Filing Chamber

8

□□□□□

Criminal Tribunal

9

[illegible]

Civil Tribunal

10

[illegible]

Economic Tribunal

11

[illegible]

Administrative Tribunal

12

[illegible]

Trial Supervision Tribunal

13

[illegible]

Enforcement Chamber

14

[illegible]

Customs

15

[illegible]

Border Checkpoint

16

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Station

A.5 □□□□□□□□□□□□

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1

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Federation

2

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Women’s Federation

3

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Federation of Trade Unions

4

□□□□

Trade Union

5

□□□/□□□

Academy /Institute

6

□□

Association

7

□□

Society

8

□□

Center

□ □ B

(□□□□□)

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B.1 □□□□□□□□□□□□□□□□□□□□□□□

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1

□□

Secretary

2

□□□

Deputy Secretary

3

□□□

Secretary-General

4

□□□□

Deputy Secretary-General

5

□□□□□□□

Member of Standing Committee

B.2 □□□□□□□□□□□□□□□□□□□□□□□□□□

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表B.2 [illegible]

[illegible]

[illegible]

[illegible]

1

[illegible]

Chairman

2

[illegible]

Vice Chairman

3

[illegible]

Secretary-General

4

[illegible]

Deputy Secretary-General

5

[illegible]

Member

B.3 [illegible]

[illegible]B.3[illegible]

[illegible]B.3 [illegible]

[illegible]

[illegible]

[illegible]

1

[illegible]

Mayor

2

[illegible]

Vice Mayor

3

[illegible]

Secretary-General

4

[illegible]

Deputy Secretary-General

B.4 [illegible]

[illegible]B.4[illegible]

[illegible]B.4 [illegible]

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1

□□

Chairman

2

□□□

Vice Chairman

3

□□□

Secretary-General

4

□□□□

Deputy Secretary-General

5

□□□□

Member of Standing Committee

B.5 □□□□□□□□□□□□□□□□□□□□□

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□□□□

1

□□

President

2

□□□

Vice President

3

□□□□□□□

Member of Judicial Committee

4

□□□

Judge

5

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Assistant Judge

6

□□□

Clerk

B.6 □□□□□□□□□□□□□□□□□□□□

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1

□□□

Chief Prosecutor

2

□□□□

Deputy Chief Prosecutor

3

□□□□□□□

Member of Prosecution Committee

4

□□□

Prosecutor

5

□□□□□

Assistant Prosecutor

6

□□□

Clerk

B.7 □□□□□□□□□□□□□□□□□□□□□□

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1

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Director-General of General Office

2

□□□□□□

Deputy Director-General of General Office

3

□□

Director-General of_____ Department

4

□□□

Deputy Director-General of_____ Department

5

□□□□

Secretary of Party Committee

6

□□□□□

Deputy Secretary of Party Committee

7

□□□□□

Secretary of _____ Committee

8

□□□□□□

Deputy Secretary of ______ Committee

9

□□□□□

Director of _____Office

10

[illegible]

Deputy Director of _____Office

B.8 [illegible]([illegible])[illegible]

[illegible]([illegible])[illegible]B.8

[illegible]B.8 [illegible]([illegible])[illegible]

[illegible]

[illegible]

[illegible]

1

[illegible]

Director-General of General Office

2

[illegible]

Deputy Director-General of General Office

3

[illegible]

Chairman of _____ Commission

4

[illegible]

Vice Chairman of ______ Commission

5

□□□□□

Director-General of _____Office

6

□□□□□□

Deputy Director-General of _____Office

7

□□□□□

Director-General of ______ Department/Bureau

8

□□□□□□

Deputy Director-General of ____ Department/Bureau

9

□□

Division Director

10

□□□

Deputy Division Director

11

□□

Section Chief

12

□□□

Deputy Section Chief

13

□□□□

Principal Staff Member

14

□□□□□

Senior Staff Member

15

□□□

Counsel

16

□□□□

Associate Counsel

17

□□□

Consultant

18

[illegible]

Associate Consultant

19

[illegible]

Staff Member

20

[illegible]

Clerk

B.9 [illegible]([illegible])[illegible]

[illegible]([illegible])[illegible]B.9[illegible]

[illegible]B.9 [illegible]([illegible])[illegible]

[illegible]

[illegible]

[illegible]

1

[illegible]

Secretary

2

[illegible]

Deputy Secretary

3

□□□□□□□

Member of Standing Committee

4

□□□□□

Director of General Office

5

□□□□□□

Deputy Director of General Office

B.10 □□□□(□)□□□□□□□□□□□□□□□□□□□□□□□

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1

□□

Chairman

2

□□□

Vice Chairman

3

□□

Member

4

□□□□□

Director of General Office

5

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Deputy Director of General Office

B.11 □□□□(□)□□□□□□□□□□□□□□□□

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1

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District Mayor

2

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Deputy District Mayor

3

□□

CountyMayor

4

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Deputy County Mayor

B.12 □□□□□□□□□□□□□□(□)□□□□□□□□□□□□□□□

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□B.12 □□□□□□□□□□□□□□(□)□□□□□□□□□□□□□□□

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1

□□

Chairman

2

□□□

Vice Chairman

3

[illegible]

Secretary-General

4

[illegible]

Deputy Secretary-General

5

[illegible]

Member of Standing Committee

B.13 [illegible]([illegible])[illegible]

[illegible]([illegible])[illegible]B.13[illegible]

[illegible]B.13 [illegible]([illegible])[illegible]

[illegible]

[illegible]

[illegible]

1

[illegible]

President

2

[illegible]

Vice President

3

□□□□□□□

Member of Judicial Committee

4

□□□

Judge

5

□□□□□

Assistant Judge

6

□□□

Clerk

B.14 □□□□(□)□□□□□□□□□□□□□□□□□

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1

□□□

Chief Prosecutor

2

□□□□

Deputy Chief Prosecutor

3

□□□□□□□

Member of Prosecution Committee

4

□□□

Prosecutor

5

□□□□□

Assistant Prosecutor

6

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Clerk

B.15 □□□□□(□)□□□□□□□□□□□□□□□□□□□□□□□□□

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[illegible]

[illegible]

[illegible]

1

[illegible]

Director of General Office

2

[illegible]

Deputy Director of General office

3

[illegible]

Chairman of _____ Commission

4

[illegible]

Vice Chairman of _____ Commission

5

[illegible]

Director of _____ Bureau

6

[illegible]

Deputy Director of _____ Bureau

7

□□

Division Director

8

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Deputy Division Director

9

□□

Section Chief

10

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Deputy Section Chief

11

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Principal Staff Member

12

□□□□□

Senior Staff Member

13

□□□

Counsel

14

□□□□

Associate Counsel

15

□□□

Consultant

16

□□□□

Associate Consultant

17

□□

Staff Member

18

□□□

Clerk

B.16 □□□□□□□□□□□□□□□□□□□

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□B.16 □□□□□□□□□□□□□□□□□□□

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1

□□□

Board Chairman

2

□□

President

3

□□□□

Executive President

4

□□□□□

Executive Vice President

5

□□□

General Manager/President

6

□□□□

Deputy General Manager

7

□□

Factory Manager

8

□□

Manager

9

□□□

Deputy Manager

10

□□□□

Assistant Manager

11

□□□□

Workshop Manager

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□doc□□□311KB□

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Note

□□□□:
http://www.ruanyifeng.com/blog/2008/07/general_principles_of_english_translation_of_organization_names_and_professional_titles.html □□: □□□

□□: □□□ http://www.me115.com

Up[illegible]down[illegible]

ruanyifeng.com

[illegible][illegible][illegible]up[illegible]“[illegible]”[illegible]down[illegible]“[illegible]”[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“**go to Beijing**”[illegible]“**go up to Beijing**”[illegible]“**go down to Beijing**”[illegible]

up[illegible]

live up in Scotland [illegible]

follow up the river to its source [illegible]

go up to Oxford [illegible]

The case was brought up before a higher court. [illegible]

go up from the country [illegible]

What are you up for[illegible] [illegible]

down[illegible]

go down to country [illegible]

go down to the south [illegible]

Old Li is down in Guangdong on business. [illegible]

□□□□□□□□□□□□□□□□□□□□□□□□over□□□“**I went to Europe last month because my friends live over there.**”□□□□□□□□□, □□□□□□□□□□.□□□□□□□□□□□□□□□□□□□□“live up there”□“live down there”□□□□“live over there”□

The post office is over there. □□□□□□□□□□□□□□□□□□□□□□□□

He is over in Danmark. □□□□□□□□□□□□□□□□□□□

swim over to the other side of the river □□□□□□□□□□□□□□□□□□□□

I’ll come over and see you after work. □□□□□□□□□

Hand the spade over to me.□□□□□□□□

win sb. over □□□□□□□□□

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2007/10/north_up_south_down.html □□: □□□

□□: □□□ http://www.me115.com

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ruanyifeng.com

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□□□□□□□□□□□□□English Translation of Public Signs□

□□□□□General Rules□

1.1 □□

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1.2 □□□

1.2.1 □□□□□□“□□□□□□□□□□□□□□□□□□□”□□□□□□□□□□□□East□E.□□South□S.□□West□W.□□North□N.□□Front□Back□Middle□Upper□Inner□Outer□“□□□□□□□□□□□□”□□□□□□□□□□Southeast, Southwest, Northeast, Northwest□

1.2.2 □□□□□□□□□□□□□□□□□□□□□□□□□

1.2.3 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ DONGZHIMEN□

1.3 □□□

1.3.1 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1st,2nd, 3rd □□□□□□E. 3rd Ring Rd□

1.3.2 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ ZHONGGUANCUN Bridge 1□2□□□Platform 2□3□□□□Cashier 3□

1.4 □□□□□

□□□□□□□□□□□□□□□□□□□□□□□□ Summer Palace□□□□□□□□□□□□□□□□□□□□□□ Temple of Heaven□

1.5 □□□□

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1.6 □□□□□□

1.6.1 □□□□□□□□□

1.6.1.1 □□:□□□□ Danger! High Voltage□□□□ Mind Your Head□□□□ Watch Your Step□□□□□□□ Break Glass in Emergency□□

1.6.1.2 “□□……”□“□□……”□□□Mind□Watch□□□□□ Mind the Step□□□□ Watch Your Head□□□□□□□□□□□□□Caution□□□□□□□□□□□□□□□□□□□□□□□□□□□Caution! Slippery□□□□□□□□□□□□□□□□□□ Caution! Wet Floor□

1.6.1.3 □□□□/□□□□□□□Way in/ Way out□□□□/□□□□□□□ 4.9.2□

1.6.2 □□□□□

□□
Emergency Use Only□□□□□□□□□□□□□□□□□□ Press Button in
Emergency□□□□□□□□□□□□□□□□□□□□ Please close the door
behind you□

1.6.3 □□□□□

“□□……”□“□□……”□□□“Do Not…”, “No…”□□“…
Forbidden”□“… Prohibited”□□□□□□□□□□□□□□□□□□□□□□□□ Do
Not Step On□□□□□□ No Littering,□□□□□□□□□□□□□□
Dangerous Articles Prohibited□ □□□□ Vendors Prohibited□□

1.7 □□□□□□

1.7.1 □□
□□□□□□□□□□

1.7.2 □□“□”□□□□□“□□”□□“……□□”□□Entrance□□“□□□□”□
Entrance□□□□“□□”□□“……□□”□□Exit□□“□□□□”□Exit□□□“□□□
□”□Emergency Exit□

1.7.3 □□□□“1□/□□2□/□□3□/□”□□□□□F1□F2□F3□□□1□□2□□3□□
□□□□B1□B2□B3□

1.7.4 □□□Elevator/Lift□□□□Escalator□□□□□Stairs□

1.7.5 □□□□□□□□□□□□ Reception□□□□□□□□□Information□

1.7.6 □□□□□□□□□□□□□□□□□Toilet□□□□□□□□□□ Gents/Men; □□□
Ladies/Women□

1.7.7 □□□□□Disabled, □□□□□□□Disabled Only□□□□□□□
Wheelchair Accessible□□□□□□□□□□Wheelchair Accessible□□□
□□□□□□□□□□□□Wheelchair Accessible□□□□□□□□

1.8 □□□□

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□□□□□□□Road Signs□

2.1 □□□□

2.1.1 □□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

2.1.2 □

2.1.2.1 Avenue (Ave) □□□□□□ CHANG’AN Ave□□□□□ PING’AN Ave □□□□ LIANGGUANG Ave□

2.1.2.2 □□□□□□Street (St)□□□□□□LONGFUSI St□□□□□HUIXIN East St□□□□□□XIDAN North St□□□□□□CAISHIKOU St□

2.1.2.3 □□□□□□□□□□□□□□□□Alley□□□□□□□□□□□□□□St□□□□□□□□□DONGZHIMEN North Alley□□□□HENGYITIAO Alley□□□□□DONGSI SHITIAO St□□□□□HOUHAI Alley□□□□□Byway□

2.1.3 □

2.1.3.1 □□□Road□Rd□□□□□□BAIYUN Rd□

2.1.3.2 □□□□Side Road□Side Rd□□□□□□□□□JINGSHI Expwy Side Rd□

2.1.3.3 □□□□□□Expressway□Expwy□□□□□□□□JINGJINTANG Expwy□

2.1.3.4 □□□□ Highway□□□□□ JINGLAN Highway□

2.1.4 □□

□□□□□□□□Hutong□□□□□□QIANZHANG Hutong□

2.1.5 □□□

□□□□□□□□□□□□Bridge□□□□□JINGGUANG Bridge□□□□GUOMAO Bridge□

2.1.6 □□□□□□□

□□□□□□□□□□□□□□□□□FANGYUAN BEILI□□□□□□FANGCHENGYUAN ERQU□□□□□HUIGUGENYUAN□

2.2 □□□□

2.2.1 □□□□□□□□□□□□□□□□□□□□□□□□

2.2.2 □□□□□□□□□□□□□□□□□□□□□□□□□TIANTAN East Rd□□□□□BAIYUNGUAN St□□□Temple of Heaven□

2.2.3 □□NIUJIE St□□□YANGQIAO Bridge□□□□LIULIQIAO Bridge□

2.2.4 □□□□□□□□□

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2.3 □□□□□□

2.3.1 □□“□”□□□

a) □□□□□□□□□□□□□□□□Stop□Station□ b)

□□□□□□□□□□□Terminus□ c) □□□□□□□□Central Bus Station□ d) □□□□□□□□Public Transport Hub□ e) □□□□□□□□□□Station□ f) □□□□□□□□Terminus□ g) □□□□□□Transfer Station□Transfer□ h) □□□□□□□□□□Taxi Service□ | i) □□□□□□□□□□Taxi Stop□ | j) □□□□□□□□□□Taxi□

2.3.2 □□□□□□□□□□□□□□□□□□□□□□□□□□□□Airport□□□□Railway Station□□□Hospital□□□Stadium□□

□□□□□□Tourist Attractions□

3.1 □□□□□

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3.1.1 □□□□ Botanical Garden□□□□□Beijing Botanical Garden□

3.1.2 □□□

3.1.2.1 □□□□□xxxx Museum, Museum□□□□□□□□ History Museum□

3.1.2.2 □□□□□□□xxxx Museum of xxxx(□□□)□ □□□□□□□Ancient Bell Museum of Great Bell Temple□

3.1.3 □□□

3.1.3.1 □□□□□□□□Memorial□□□□’s□ □□□□□□Wu Yunduo Memorial□

3.1.3.2 □□□□□□□□□□□Memorial Museum□□□□□□□□ New Culture Movement Memorial Museum□

3.1.4 □□□Former Residence□□□□□□ Former Residence of Soong Ching Ling□

3.1.5 □□□□□□□Exhibition Hall/Exhibition Center□□□□□□Convention & Exhibition Center□

3.1.6 □□□□ Exhibition Room/Display Room□

3.1.7 □□□□Palace□ □□□ Summer Palace□□□□□ Hall□ □□□□Hall of Heavenly Purity□

3.1.8 □□□□□ Hall□ □□□□ Hall of Supreme Harmony□□□□ Hall of Longevity in Happiness□

3.1.9 □□□Temple□ □□□□ Yunju Temple□

3.1.10 □□□□□Pavilion□ □□□□ Jilan Pavilion□

3.1.11 □□□□□□Pagoda□□□□□ Five-Pagoda Temple□□□□□□ Dagoba,□□□□□□□ White Dagoba□

3.1.12 □□□□Memorial Archway□

3.1.13 □□□□ Mountain□ □□□□ Taihang Mountain□Mt. Taihang□□□□□□□□□□□□□ Hill, □□□□ Longevity Hill□

3.1.14 □□□ Island□ □□□□South Lake Island□

3.1.15 □□□ Lake, □□□□ Kunming Lake□

3.1.16 □□□ Bridge, □□□□ Jade Belt Bridge□

3.1.17 □□□□□ware□□□□□Bronzeware□□□Jadeware□

3.1.18 □□□□□□□□□□□□□Han Dynasty□□□□□□□□□□□□□□□□□□□□□□□□ Western Zhou Dynasty□□□Western Han Dynasty□

3.2 □□

3.2.1 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Temple of Heaven□

3.2.2 □□□□□□□□□□□□□□□□□□□□□□□□ Summer Palace□

3.3 □□□□□

□□Souvenir Shop□□□□ Gift Shop□

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4.1 □□□□□□□□

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4.1.1 □□□□□□□□□□□□□

4.1.1.1 □□□ □□□□□□□□□□Mall□□□□□□□□□□□□□□Shopping Mall□

4.1.1.2 □□□□□□□□□□□Shopping Center□□□□□□□□Urban Shopping Center□

4.1.1.3 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Store□ Shop□□□□□□ Department Store□□□□ Fancy Shop□

4.1.1.4 □□□□□□□□□□□□□□Plaza□□□□□□ Central Plaza□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Square□□□□□□□□ Xidan Culture Square□□□□□□□□□□□□□□□□□Branch□□□□□□□□□□ □□□□□□□□ Beijing Cuiwei Tower (Holdings), Mudanyuan Branch□

4.1.2 □□□□□□□□

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4.1.3 □□□□□□

□□□□□□Theater□□□□□□□Book Store□□□□□□□□Library□□□□□□□□ Cultural Center□□□□□□□□Audio-Video Shop□□□□□□□Internet Café□□□□□□□□□□□□□Entertainment Place/Entertainment Area□

4.1.3.1 □□□□□□□□□□□□□□□□□□□Area□□□□□ VIP Area□□□□□□□□ □□□□□□□Seat□□□□□□□ East Platform Odd Number Seats□

4.1.4 □□□□□□□□□□□□□□□□□□□□□□□□□□ Tongrentang Pharmacy□

4.2 □□□□□□

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4.3 □□□□

4.3.1 □□

4.3.1.1 □□□□□□□□□□□□□□□□□□□□□□□□Clothing□Clothes□□□□Summer Clothing□□□ Ready-Made Clothes□

4.3.1.2 □□□□□□□□□Fashion□

5.3.1.3 □□□□□□□□□□□□□□□□□□Dress□□□□□ Ethnic Dress□□□□ Evening Dress□□□□□ Summer Dress□

4.3.1.4 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□Suit□□□□□□Men’s Suit□

4.3.1.5 □□□□□□Men’s Wear□ □□□□□□Women’s Wear□

4.3.2 □□

□□□□□□□Literature□□□□Arts□□□□Academic Books□□□□Business Administration□□□□Science□□□□Practical Books□□□□Education□□□□Engineering□□□□Computer□□□□Industry□□□Miscellaneous□11□□□□□□□□

4.3.3 □□□□

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4.4 □□□□□□

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4.5 □□□□

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□□□□□□□Stadium and Gymnasium□

5.1 □□□□□□

□□□Main Stadium□□□□□□□□Main Press Center□□□□/□□□□□□□BOH□Back of House□□□□□/□□□□□□□FOH (Front of House)□

5.2 □□□□□□

□□□ Artistic Gymnastics□□□□□ Rhythmic Gymnastics□

5.3 □□□□□□

5.3.1 □□□□□□□□□□□□□□□□□□□□□□□□□□□GB/T 16159□□□□

5.3.2 □□□□□□□□□Stadium,□□□□□□ Workers’ Stadium□

5.3.3 □□□□□□□□□Gymnasium□Indoor Stadium□□□□□□□Haidian Gymnasium□□□□□□ National Indoor Stadium□

5.3.4 □□□□□□□□□□□Gymnasium□□□□□□□□□□“□□□□□□□□”□□□□□□□□□□□□□□ Peking University Gymnasium□□□□□□□□□□Beijing Science and Technology University Gymnasium□

5.3.5 □□□□□□□□Natatorium□Swimming Pool□□□□□□□□□21st Century Natatorium□□□□□□ Taoranting Swimming Pool□

□□□□□□Health and Medicine□

6.1 □□□□□□□□□□□□□□□□□□□ Hospital□□□□□□□□ Center for Disease Prevention and Control (CDC)□□□ Consulting Room□□□□ Blood Center□□□□□□Health Inspection Institute□

6.2 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GB/T 16159□□□□□□□□Xuanwu Hospital□□□□□□□□□□□□□□□□□□□□□ Peking Union Medical College Hospital□□□□□□□□□

6.3 □□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□Clinic□□□□□□ Diabetic Clinic□□□□□Specialist Clinic,□□□□□□□□□□□□Dept.□□□□ Surgery Dept.□

6.4 □□□□□□Ward□□□□□□ Burn Ward□

6.5 □□□□□□□□□□□□□□□□□□□□□Room□□□□□ Dental Film Room□□□□ Cardiac Pacemaker Room□□□□ Dressing Room□□□□Operating Room□

6.6 □□□□□□□□□□□□Laboraory/Lab□□□□□□□ Surgery Lab□□□□□□ Pretest & Screening Lab□□□□□□ Clinical Lab□□□□ Cell Lab□

6.7 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ICU□Intensive Care Unit□□

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[illegible]

[illegible]“[illegible]”[illegible]Stewed Pork Ball in Brown Sauce[illegible]“[illegible]”[illegible]Sautéed Sliced Pork with Pepper and Chili[illegible]“[illegible]”[illegible]Sweet and Sour Spare Ribs[illegible]

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[illegible]

[illegible]

1[illegible]/[illegible]+ with + [illegible] Mushrooms with Duck Feet

2[illegible] + with/in + [illegible]Sauce[illegible] Bitter Melon in Plum Sauce

[illegible]

1[illegible]+[illegible]/[illegible] Sautéed Pig’s Kidney

2[illegible]([illegible])+[illegible]/[illegible]+ [illegible] Stewed Diced Pork and Sweet Potatoes / [illegible] Sautéed Spicy Pork with Dried Beans

3□ □□□□□□□□□□□□□□□□(□□□□□)+□□□□□/□□□+ with/in +□□□□□□
□□□ Sautéed Shredded Pork in Sweet Bean Sauce / □□□□□
Snow Clam and Scallop Soup

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1□ □□□□□□□□□□□□□□□□□□□/□□ + □□□□□□□□ Crispy Chicken

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□□ Sautéed Sliced Lamb with Pepper and Parsley

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2□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□+ □□□+ + □□/□□ +
Style□□□ □□□□ Stewed Liver, Beijing Style / □□□□□ Noodles
with Soy Bean Paste, Beijing Style

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1□□□
Jiaozi

2□ □□
□ Tofu / □□□□ Kung Pao Chicken / □□ Chop Suey / □□ Wonton /
□□ Shaomai

3□□
Fotiaoqiang—Steamed Abalone with Shark’s Fin and Fish
Maw in Broth (Lured by its delicious aroma even the Buddha
jumped over the wall to eat this dish.) / □□ Guotie (Pan-Fried
Meat Dumplings) / □□ Wotou□Steamed Black Rice or Corn
Bun□/ □□ Steamed Jiaozi (Steamed Dumplings) / □□ Youtiao
(Deep-Fried Dough Sticks) / □□ Tangyuan (Glutinous Rice
Balls) /□□□ Gulaorou (Sweet and Sour Pork with Fat) /□□

Zongzi (Glutinous Rice Wrapped in Bamboo Leaves) / □□
Yuanxiao□Glutinous Rice Balls for Lantern Festival) / □□□□
Lǘdagunr□Glutinous Rice Rolls with Sweet Bean Flour□/ □□□
Aiwowo (Steamed Rice Cakes with Sweet Stuffing) / □□□
Douzhir (Fermented Bean Drink)

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□□ Noodles with Vegetables / □□□□ Sautéed Lamb Slices with Scallion

□□ □□in□with□□□□□□□□□□□

1□ □□□□□□□□□□□□□□□□□in□□□□□□□□□□ Steamed Beef Ribs in Black Bean Sauce

2□ □□□□□□□□□□□□□□□□□□□□□□□□□□□with□□□□□□□□□□□□ Japanese Soup Noodles with Seafood

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□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“Tom asked a question”□□□□a question□□ask□□□□□□.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“Tom asked a question”□□“Tom asked a question in the classroom on Tuesday.”□“in the classroom”□□□□□“on Tuesday”□□□□□□□□□□□□□□□“a question”□“the classroom”□“Tuesday”□□□□□□□□asked□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ in □ on □□□□□□□□

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□□□plead□□□□□□□□□□□“□□□□□”□□□□□□□□□□□□□□□□□□

They pleaded.

[illegible]plead[illegible]“[illegible]”[illegible]plead[illegible]
[illegible]

They pleaded “give us more time”.

[illegible]

She pleaded that she felt very tired.

[illegible]plead[illegible]“[illegible]”[illegible]
with[illegible]

He pleaded with his mother to allow him to go to the
circus. [illegible]

[illegible]“[illegible]”[illegible]for[illegible]

He was on his knees, pleading for mercy/forgiveness.[illegible]
[illegible]

[illegible]

1[illegible]
2[illegible]
3[illegible]

[illegible]“He turned off the light.”[illegible]off [illegible]
[illegible]turn off[illegible]off[illegible]“He
turned the light off.”[illegible]off [illegible]“I came
off the slope”[illegible]off [illegible]

[illegible]

Note

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http://www.ruanyifeng.com/blog/2007/08/what_is_prepositi
on.html □□: □□□

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[illegible]

1.

[illegible]Beijing Second Prison is on the outskirts of the city for which it is named, and you can drive past the drab compound without ever noticing it.

[illegible]

[illegible]compound[illegible]“[illegible]”[illegible]complex[illegible]facility[illegible]drab[illegible]dun[illegible]

2.

[illegible]Inside the waiting room, adjoining the gate, I stow my purse and cell phone in a locker, present my documents, and wait to be called.

[illegible]

[illegible]“adjoining”[illegible]“stow”[illegible]“present”[illegible]“beside”[illegible]“put”[illegible]“give”[illegible]

3.

[illegible]his eyes were rheumy and infected, his hands and face were swollen, and his fingernails were purple, evidently from poor circulation and nutrition.

[illegible]

[illegible] [illegible]“poor circulation”[illegible]circulation[illegible]“[illegible]”[illegible]“[illegible]”[illegible]in circulation[illegible]“[illegible]”[illegible]get back into circulation[illegible]“[illegible]”[illegible]

4.

[illegible]prison/jail[illegible]prisoner/inmate/convict[illegible]cell/ward,[illegible]jailer/gaoler[illegible]warden[illegible]parole[illegible]/[illegible]incarceration[illegible]

5.

[illegible]the officer peered at the head shot of the gloomy foreigner, but didn’t know who he was.

[illegible]

[illegible]head shot[illegible]snapshot[illegible]mug shot[illegible]

6.

[illegible]The novelist Wang Meng, who was then the Minister of Culture, got out of it by claiming ill health and checking into a hospital himself.

[illegible]

[illegible]He was leaning on a Jetta, smoking a cigarette, when I got out of the prison snack shop.

[illegible]

[illegible]we had got off the expressway and had entered the maw of downtown traffic.

[illegible]

[illegible]got out of [illegible]got off[illegible]

7.

[illegible]“Good thing you’re still here,” I said as I got into the car, “or I’d have had a long walk to the bus stop.”

[illegible]”[illegible]”[illegible]”[illegible]”

[illegible] I’d have had a long walk to the bus stop.[illegible]

8.

[illegible]Though we were just a forty-minute drive from the city, everywhere you looked there were old factories, low piles of rubble, industrial-waste dumps, half-deserted farm villages on the brink of being bulldozed and “developed.”

[illegible]40[illegible]”[illegible]”[illegible]

[illegible]CBD[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

9.

[illegible]This gave me a start.

[illegible]

□□□□□□□to my surprise□□□□□□□□to my start□□□□□take aback□I am appalled□she was flabbergasted□□□□□□□□□□

10.

□□□□“ Most important thing is: get some guns! How can you beat the Communist Party? Only by armed struggle!”

“That’s an interesting idea,” I said, taken aback and trying to hide it. “But then China would be in a war. It would make for bloody chaos.”

“That would be great!” the driver said.

I was appalled. “If that happened, don’t you worry that the biggest victims would be ordinary people?”

“The ordinary people are the biggest victims already!” the driver replied, his face mottled with fury. “You look at this city—at what kind of life the officials and the rich people have, and what kind of shitty life we have.”

□□□□□□□□□□□□□□□□□/□/□□

11.

□□□□On both sides of Chang’an Avenue, new skyscrapers and giant billboards stood under a murky sky.

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□□□□□□□□□□□□□□metaphor□□

12.

□□□□He had even taken to carrying around a toothbrush.

□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□take to□□□□□□□□“□□□□□□□”□□□□□□□carrying□□
□□□□□□

13.

□□□□my brother is frozen, with his unchanging, unchangeable vision of what is to be done.

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□□□□□□unchanging, unchangeable□□□□□□

14.

□□□□□□□□□□□subvert,round up, ransack, suppress, purge, crackdown□

15.

□□□□□□□□□□□□□Enemy of the State□□□

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□□□□ a green-faced, long-toothed monster □□□□ in single file

□□□ kind of □□□ so-and-so □□□□ manual work □□□□□ disposable chopsticks □□ ransack □□□ going-away party □□□□ poverty and backwardness □□□□ political record □□ black gauze □□□ country bumpkin □□ section □□□ weather-beaten

□□□ snack shop □□□□ industrial-waste □□□ severance pay □□□□ goof off □□□□ in the blink of an eye □□□□ clench one’s teeth □□□□ float in wind and storm □□□□ throw a switch □□□ politburo □□□□ major publication □□□□□□□□□ sorry for him, and angry at him □□□□ name-dropping □□□□□□ One must choose between loyalty and filial devotion □□□□ inflated self-regard □□□□ prop up one’s spirit □□□□ disadvantaged people □□□□ peaceful rising □□□□□□ building a harmonious society | □□□□□□□ Do not judge a hero by victory or defeat | □□□□ a hundred holes and a thousand wounds

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Note

□□□□: http://www.ruanyifeng.com/blog/2007/08/notes_on_enemy_of_the_state.html □□: □□□

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[illegible]Project Bartleby

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[illegible]The Labyrinth

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[illegible]http://labyrinth.georgetown.edu/

[illegible]Spark Notes

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[illegible]http://www.sparknotes.com/

□□Voice of the Shuttle

□□□Santa Barbara□□□□□□□Alan Liu□□□□

□□□□□http://vos.ucsb.edu/

□□Electronic Text Center at UVa Library

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□ period or full stop □□ □ comma □□ □ colon □□ □ semicolon

□□ □ exclamation mark □□□ □ question mark □□ - hyphen □□□ * asterisk □□ ’ apostrophe □□□□□□□□□□□□□ — dash □□□ _ underscore ‘ ’ single quotation marks □□□ “ ” double quotation marks □□□ ( ) parenthesis or round brackets □□□ [ ] square brackets □□□ Angle brackets □□□ {} curly brackets or braces □□□ □ □French quotes □□□□□□□□ ... ellipsis □□□ ¨ tandem colon □□□ ” ditto □□ ‖ parallel □□□ □ slash or virgule or diagonal mark □□□ □ ampersand = and □ tilde or swung dash □□□ § section; division □□□ → arrow □□□□□□ | | vertical bar □□ | \ backslash □□□

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multiplied by □□ ÷ is divided by □□ □ is equal to □□□ ≠ is not equal to □□□□ ≡ is equivalent to □□□□ ≌ is equal to or approximately equal to □□□□□□□ ≈ is approximately equal to □□□□ □ less than sign □□□ □ more than or greater than sign□ □□ ≮ is not less than □□□□ ≯ is not more than □□□□ ≤ is less than or equal to □□□□□□ ≥ is more than or equal to □□□□□□ □ per cent □□□... ‰ per mill □□□... ∞ infinity □□□□ ∝ varies as □...□□□ √ (square) root □□□ ∵ since; because □□ ∴ hence □□ ∷ equals, as (proportion) □□□□□□ ∠ angle □ ⌒ semicircle □□ ⊙ circle □ ○ circumference □□ △ triangle □□□ ⊥ perpendicular

to □□□ ∪ union of □□□□ ∩ intersection of □□□□ ∫ the integral of …□□□ ∑ (sigma) summation of □□ ° degree □ ′ minute □ ″ second □ □ number …□ | ℃ Celsius system □□□ | □ at □

[□□□□]

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Note

□□□□:
http://www.ruanyifeng.com/blog/2007/07/english_punctuation.html □□: □□□

□□: □□□ http://www.me115.com

[illegible]History of the Latin alphabet[illegible]

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[illegible]Latin alphabet[illegible]26[illegible]ABC...[illegible]

[illegible]

[illegible]Greek alphabet[illegible]αβγ...[illegible]9[illegible]8[illegible]Etruria[illegible]6[illegible]Etruscan[illegible]Etruscan[illegible]

[illegible]2000[illegible]

[illegible]16[illegible]

18[illegible]1924[illegible]1945[illegible]

20[illegible]80[illegible]

[illegible]

  [illegible]

  [illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

———— [illegible]187[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2007/06/history_of_the_latin_alphabet.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

12 a.m. □□□□□

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□□□□□12 p.m.□□□□□□□□□□□□□□□□□□□□□

“a.m.” □ “ante meridiem”□□□□□□□□“□□□□”□□□ 7 a.m.□□□“□□7□”□□“□□□□□□□7□”□□□□“p.m.”□“post meridiem”□□□□□□□□“□□□□”□

□□□□□□□**12 a.m.□12 p.m.□□□□□□□□□□□□□□12□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□12□□□□□□□□12□□□□□□□□□□□12□□□□**

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□□□□□□□□□□□□□□ “8 a.m. to noon”□□□□□□□□□□□□□” daily until midnight”□

[□□□□]

* □□□□□□□□□□□□□□□□□

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Note

□□□□: http://www.ruanyifeng.com/blog/2007/06/12_am_are_noon_and_midnight.html □□: □□□

□□: □□□ http://www.me115.com

[illegible]

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[illegible]

[illegible]

> [illegible]“[illegible]”[illegible]

[illegible]……

[illegible]……[illegible]Google[illegible]

[illegible]Google[illegible]

> TNC merger and acquisition opportunities concentrated in the overall strength of the top cities in China, with the management team to find advantages, advantage of the research team, a field of undertaking technical superiority, the members of the Board of Trustees of the qualifiers for good mentality, against China’s software outsourcing enterprises to invest in the common people thinking ideas, the Chinese software enterprises to invest in the most acceptable way, Design merger and acquisition program, to circumvent local multinational companies and Chinese companies for value

differences, cultural differences. Enterprise vision caused by the difference in the struggle negotiations, “seeking” to the opposition, to achieve the quick acquisition for success and achieve win-win.

[illegible]

[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2007/05/a_painful_translation.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

College□□

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College□institute□university□academy□□Macmillan English Dictionary For Advanced Learners□□□college□□□□□

college□□□□□□□□□□□□□□

□□□□college□□□□□□□□□□□Bachelor□□□□university□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□5□□□□□□□

1□□□□□□□□□□□□□□□□□□□□□□□□□□□□ King's College, Cambridge□

2□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ He teaches cookery at the local college□□□□□□□□□□□□□□□□

3□□□□□□□□□□□□□□□□□□□□□□ the Royal College of Music□
4□□□□□□□□□□□□□□□□□□□Eton College□

5□□□□□□□□□□□□□□□□□□□□□□□□ the Royal College of Nursing□

□□□

Note

□□□□:
http://www.ruanyifeng.com/blog/2007/02/the_discrimination_of_the_word_college.html □□: □□□

□□: □□□ http://www.me115.com

[illegible]

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[illegible]NBA[illegible]

[illegible]NBA[illegible]

[illegible]Jeff Van Gundy[illegible]Vassilis Spanoulis[illegible]Billy[illegible]

[illegible]2[illegible]14[illegible]·[illegible]Jake Tsakalidis[illegible]

[illegible]Fran Blinebury[illegible]

> It will give someone for Billy to **bitch** to, so that will be good. We’ll just sit him right over there and Billy can bitch to him about how he’s **getting screwed**. That will be good.
>
> [illegible]Billy[illegible]Billy[illegible]Billy[illegible]

[illegible]——”bitch“[illegible]”get screwed“——[illegible]

[illegible]clutchfans.net[illegible]Billy[illegible]

[illegible]Billy[illegible]

Jake: Yo how is it going Billy.

Jake[illegible]Billy[illegible]

Billy: Nothing much man, just warming the bench. Back at home I use to be the equivalent of T-mac. I use to be praised, and I was really good. T-mac has nothing on me back at home, in fact I’m better than him.

Billy[illegible]

Jake: Really? Man, this is interesting tend with us Greece players. I use to be Yao Ming back at home, but now I am mostly a bench warmer.

[illegible]

Billy: We’d probably make the best one-two punch in the NBA, Jeff just has to give us a chance to play. Basketball is basketball.

Billy[illegible]NBA[illegible]

Jake: I agree man. I wonder how that guy the Clippers is going to do, you know the 2nd rounder that’s from Greece that is tearing it up over there.

Jake[illegible]

Billy: Oh yeah I know who you are talking about, Sofos. Yeah man, that guy is Shaquille Oneal back at home. To

bad when he comes to the states, he’ll just be another guy warming the bench.

Billy□□ □□□

Together: Viva la Greece :P.

□□□□□□□□□□

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2007/02/poignant_comments_from_jeff_van_gundy.html □□: □□□

□□: □□□ http://www.me115.com

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75 15000 4
1.2

http://ets.umdl.umich.edu/m/med/

Whan that Aprill, with his shoures soote

1.

http://www.doaj.org/

2500

2.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

> First they ignore you, then they laugh at you, then they fight you, then you win.”

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□□□□: http://www.ruanyifeng.com/blog/2007/02/middle_english_dictionary.html □□: □□□

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□□ baa,bleat □□ moo □□ meow□mew□miaow□purr □□ bray □□

whinny□neigh □□ chirp□twitter□squawk □□ bark□snarl□ whimper□yelp □□ grunt □□□ crow □□□ cackle □□ quack □□ shrill | □□□ squeak□cheep□peep | □□ cry□scream□shriek□ holler

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[Bonus Material]

□□□□□□□□□□□□□□□□□□□□□□□2007□□□□□□□[Cinderella III: A Twist in Time]()□□□□□□□□□□□

□□I still Believe□□□□□□□□□□□□17□□□□[Hayden Panettierre]()□

□□□□□[□I still believe□]()□Music Video□7.39M□wmv.zip□□□

UPDATE□2007.6.27□

□□□□□□ buzz□hum □□□ cackle,chuck □□□□□□ coo

□□□□□□ roar □□□□ hoot □□□ gobble □□ hee-haw | □□ hiss | □□□ croak

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2007/01/sounds_of_animals_in_english.html □□: □□□

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□□□□□6□□□□□

1□□□□□□□□□□A is B.□

[□□]

□□□□□□□□□□□□□□□□□□

Harvard is among the first American universities to accept Chinese students.

2□□□□□□□□□□□A does B.□

[□□]

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

These traditions have exerted a profound impact on the values and way of life of the Chinese people, and on China’s road of development today.

3□□□□□□□□□A leaves.□

[□□]

1847□□□□□□□□□□□□□□□□□□□□

In 1847, Chinese student Rong Hong and others came to the United States as the first group of Chinese students to study here.

4□□□□□□□□□□□□□□□□□□□□□□□□□A gives B something.□

[□□]

□□

My visit to IBM, AT&T and the Bell laboratory yesterday gave me some first-hand knowledge of the latest successes in modern science and technology.

5□□□□□□□□□□□□□□□□□□□□□□□A tells B to do something□

[□□]

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Today, the Chinese people who are struggling to achieve modernization have made the opening-up a basic state policy.

6□There□□□□□□□There is a man.□

[□□]

□□□□□□□□□□□□□□□□□

There are many types of businesses in a free-market economy.

□□□

Note

□□□□: http://www.ruanyifeng.com/blog/2006/12/structure_patterns_of_english_sentence.html □□: □□□

□□: □□□ http://www.me115.com

“[illegible]”[illegible]

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[illegible]·[illegible]”[illegible]’[illegible]’[illegible]”

[illegible]”[illegible]”[illegible]

1.

the **glossy** roofs of fashionable cars

[illegible]

2.

the **bright burning fire of** electric coals.

[illegible]

3.

They were all shapely, **shining**;

[illegible]

4.

burnished steel

[illegible]

5.

All safe, **shining**, cool, yet **burning**,

[illegible]

6.

they **flashed** and **blazed**.

[illegible]

7.

sparkling bright colours

[illegible]

8.

flashing from silk

[illegible]

9.

in the glow of the peach-blossom taffeta.

[illegible]

10.

It was round, it was **lustrous**.

[illegible]

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Note

□□□□:
http://www.ruanyifeng.com/blog/2006/10/shining_words.html □□: □□□

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[illegible]

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[illegible]

[illegible]1[illegible]**1995**[illegible]

[illegible]
[illegible]
ISBN[illegible]7560013252

[illegible]2[illegible]**2001**[illegible]

[illegible]
[illegible]
ISBN[illegible]7100027179

[illegible]3[illegible]**2003**[illegible]

[illegible]
[illegible]
ISBN[illegible]7560025943

[illegible]1978[illegible]——[illegible]——[illegible]

[illegible]

[illegible]

[□□□□]

1.□□□□□□□□□□□□□□

2.□□□□□□□□□□□□□□

3.□□□□□□□□□□□□□□□□□□□□□□□

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[illegible]

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1.

[illegible]

a[illegible]

[illegible]I am a student.

b[illegible]

[illegible]The mother patted the baby.

2.

[illegible]

[illegible] He is a worker in that factory.[illegible]

[illegible] He works in that factory.[illegible]

3.

[illegible]

[illegible] The camellias were in bloom. [illegible]

[illegible] The old life was at an end.

[illegible] I’m in great trouble.

[illegible] She is in a talkative mood today.

□□□□ Was she ever out of temper?

□□□□ I was under the impression that your sister was a doctor.

4.

□□□□□□□□□□□□□□□□□□□□

□□□□ He described to us his bitter life.

□□□□□□□□ This is he who described to us his bitter life.

□□□□□□□□ That was his description to us of his bitter life.

□□□□□□□□□□ Such was his bitter life he described to us.

□□□□□□□□□□ It was to us that the he described his bitter life.

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□□: □□□ http://www.me115.com

[illegible]·[illegible]The Egg[illegible]

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[illegible]·[illegible]Sherwood Anderson[illegible]20[illegible]
[illegible]”[illegible]”[illegible]

[illegible]The Egg[illegible]

[illegible]

[illegible]

[illegible]”ambitious”[illegible]

[illegible]

[illegible]

[illegible]

> One unversed in such matters can have no notion of the many and tragic things that can happen to a chicken. It is born out of an egg, lives for a few weeks as a tiny fluffy thing such as you will see pictured on Easter cards, then becomes hideously naked, eats quantities of corn and meal bought by the sweat of your father’s brow, gets diseases called pip, cholera, and other names, stands looking with stupid eyes at the sun, becomes sick and dies. A few hens and now and then a rooster, intended to serve God’s mysterious ends,

struggle through to maturity. The hens lay eggs out of which come other chickens and the dreadful cycle is thus made complete. It is all unbelievably complex. Most philosophers must have been raised on chicken farms. One hopes for so much from a chicken and is so dreadfully disillusioned. Small chickens, just setting out on the journey of life, look so bright and alert and they are in fact so dreadfully stupid. They are so much like people they mix one up in one’s judgments of life. If disease does not kill them they wait until your expectations are thoroughly aroused and then walk under the wheels of a wagon—to go squashed and dead back to their maker. Vermin infest their youth, and fortunes must be spent for curative powders. In later life I have seen how a literature has been built up on the subject of fortunes to be made out of the raising of chickens. It is intended to be read by the gods who have just eaten of the tree of the knowledge of good and evil. It is a hopeful literature and declares that much may be done by simple ambitious people who own a few hens. Do not be led astray by it. It was not written for you. Go hunt for gold on the frozen hills of Alaska, put your faith in the honesty of a politician, believe if you will that the world is daily growing better and that good will triumph over evil, but do not read and believe the literature that is written concerning the hen. It was not written for you.

We must have been a sad looking lot, not, I fancy, unlike refugees fleeing from a battlefield. Mother and I walked in the road. The wagon that contained our goods had been borrowed for the day from Mr. Albert Griggs, a neighbor. Out of its sides stuck the legs of cheap chairs and at the back of the pile of beds, tables, and boxes filled with kitchen utensils was a crate of live chickens,

and on top of that the baby carriage in which I had been wheeled about in my infancy. Why we stuck to the baby carriage I don’t know. It was unlikely other children would be born and the wheels were broken. People who have few possessions cling tightly to those they have. That is one of the facts that make life so discouraging.

[illegible]
[illegible]

When he thought that at last the trick was about to be consummated, the delayed train came in at the station and Joe Kane started to go nonchalantly out at the door. Father made a last desperate effort to conquer the egg and make it do the thing that would establish his reputation as one who knew how to entertain guests who came into his restaurant. He worried the egg. He attempted to be somewhat rough with it. He swore and the sweat stood out on his forehead. The egg broke under his hand. When the contents spurted over his clothes, Joe Kane, who had stopped at the door, turned and laughed.

A roar of anger rose from my father’s throat. He danced and shouted a string of inarticulate words. Grabbing another egg from the basket on the counter, he threw it, just missing the head of the young man as he dodged through the door and escaped.

[illegible]
[illegible]
[illegible]

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□□□□: http://www.ruanyifeng.com/blog/2006/09/the_egg_by_sherwood_anderson.html □□: □□□

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Jabberwocky

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Jabberwocky[illegible]”[illegible]”[illegible]·[illegible]Lewis Carroll, 1932-1892[illegible]Through the Looking-Glass, 1871[illegible]Jabberwocky[illegible]

[illegible]

[illegible]

Jabberwocky

‘Twas brillig, and the slithy toves Did gyre and gimble in the wabe;
All mimsy were the borogoves,
And the mome raths outgrabe.
“Beware the Jabberwock, my son! The jaws that bite, the claws that

catch! Beware the Jubjub bird, and shun The frumious Bandersnatch!” He took his vorpal sword in hand: Long time the manxome foe he sought — So rested he by the Tumtum tree, And stood awhile in thought And as in uffish thought he stood, The Jabberwock, with eyes of flame, Came whiffling through the tulgey wood, And burbled as it came! One, two! One, two! and through and through The vorpal blade went snicker-snack! He left it dead, and with its head He went galumphing back. “And hast thou slain the Jabberwock? Come to my arms, my beamish boy! O frabjous day! Callooh! Callay!” He chortled in his joy. ‘Twas brillig,

and the slithy toves Did gyre and gimble in the wabe; | All mimsy were the borogoves, | And the mome raths outgrabe.

□□
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chortle = chuckle + snort□□□□□□

galumph = gallop + triumph□□□□□□□□□□□

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into, face up to□□

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□1□□□□□□

[□□] We can *put* the match *off* till next week. □□□□□□□□□□□□□
□□□□□

[□□] The travellers *set off* at dawn. □□□□□□□□□□□

□2□□□□□□

[□□] They are *looking into* the disappearance of the gold
watch. □□□□□□□□□□□□□□

[□□] He has decided to *run for* President. □□□□□□□□□□

□3□□□□□□□□□

[□□] He was invited to *sit in on* the conference. □□□□□□□□□

[□□] He *put in for* a new job. □□□□□□□□□□□□□□

[□□] They are thinking of *putting* him *in for* the new job. □□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] He *put* the odd weather *down to* nuclear explosions. □□
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1. □□□□□□□□□□□□□□□□□□

[□□] The buds are *coming out*. □□□□□

[□□] The snow *came down* thick and fast. □□□□□

□□□□□□□□□□□□up□□□□□□□□□□□□□□”□□□□”□

[□□] He *went* straight *up to* the door. □□□□□□□□

2. □□□□□”□□□□□”□□□□

[□□] After working all afternoon, they *ate up* all of the dinner. □□□□□□□□□□□□□□□□□□□□□□□

[□□] He *drank* the beer *off* at a draught. □□□□□□□□□

3. □□□□□”□□□□□□□□□□□□□”□□□□away□□□□

[□□] He’s been *working away* at this job since breakfast□□□
□□□□□□□□□□□□

[□□] They were *digging away* in their garden. □□□□□□□□□□□
□□

[□□] The thunder and lightning *died away* in heavy rain. □□□□□□□□□□□□□

□□ find out=discover, give up=abandon, leave off=stop, work out=calculate□□

[□□] He was angry when they *found out* his secret. □□□□□□□□□□□□□□□□□

[□□] When do we *break up* for the Easter Holidays? □□□□□□□□□□□□□

□□□ come by=obtain, get by=manage, get up=prepare□□

[□□] How didi you *come by* the dictionary? □□□□□□□□□□□□□

[□□] He decided to *walk out* on the project. □□□□□□□□□□

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[illegible]“Audaces fortuna juvat”[illegible]
[illegible][illegible][illegible]

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[illegible]Thesaurus[illegible]

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> hold, descry, discern, distinguish, espy, eye, look (at), note, notice, observe, perceive, regard, remark, sight, spy, view, witness

[illegible]very[illegible]Thesaurus[illegible]

> extremely, incredibly, awfully, exceptionally, exceedingly, especially, dreadfully, extraordinarily, enormously, fantastically, vastly

[illegible]Thesaurus[illegible]

[illegible]Dictionary[illegible]Thesaurus[illegible]
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1. Merriam-Webster Thesaurus
2. Roget’s Thesaurus

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[illegible]The Story of English[illegible]

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1066[illegible]

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[illegible]Geoffrey Chaucer[illegible]

[illegible]

[illegible]

[illegible]John[illegible]Tom[illegible]Job[illegible]

[illegible]

[illegible]

[illegible]“It’s Greek to me”[illegible]

[illegible]

[illegible]**Hamlet**[illegible]

[illegible]

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[illegible]

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1604[illegible]1[illegible]

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[illegible]·[illegible]1746[illegible]6[illegible]18[illegible]·[illegible]1575[illegible]17[illegible]

[illegible]

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[illegible]“[illegible]”[illegible]

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Projectile□Trajectory□Parabola

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Projectile□□□□□□□□□□□□□□□□□□a weapon that is forcibly thrown or projected at a targets but is not self-propelled. □□□□□□□WordNET□□□□□□

Trajectory□□□□□□□□□□□□□□□□□□□□□□ballistic trajectory□□the path followed by an object moving through space.□

Parabola□□□□□□□□□□□□□□□□□□□□□□□□□□ax^2+bx+c□a0□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□parabolic□□□□□□parable□□□□ □□□□□□□□a plane curve formed by the intersection of a right circular cone and a plane parallel to an element of the curve □

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* Without air resistance, the projectile will follow a parabolic trajectory.

* The trajectory of the projectile is known to be a parabola.

* any trajectory taken by a projectile is a parabola.

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□□□□□□□□□Samuel Johnson□

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The A-Z of Samuel Johnson
One of the most influential contributors to modern language, Samuel

Johnson’s Dictionary is celebrating its 250th anniversary. As the Royal Mint marks the occasion by releasing a special set of 50p coins, the Magazine pays tribute with an A-Z of the man behind the book.

A is for Authoritative - Samuel Johnson’s dictionary was not, as often thought, the first English dictionary. But the quality of definitions, its numerous senses of a term and the quotations to illustrate usage made it the standard English dictionary for a century and the basis for those that followed.

B is for Boswell - Johnson is probably remembered as much for things he said as those he wrote, largely thanks to his friend James Boswell who recorded in his biography, The Life of Samuel Johnson, many now-famous utterances.

C is for the Club - Johnson in 1764 helped found the Club, later renamed the Literary Club, whose members included Edmund Burke, Adam Smith and Boswell.

D is for Doctor - He was awarded Doctor of Laws degrees by Dublin University in 1765 and Oxford University in 1775, and is often referred to simply as Dr Johnson.

E is for English - Johnson’s dictionary was intended to be the English equivalent of volumes produced decades earlier by Italian and French academies. A group of publishers contracted him to produce it in three years. When reminded that it had taken 40 French academics 40 years to produce theirs, Johnson apparently replied: “Forty times forty is sixteen hundred. As three to sixteen hundred, so is the proportion of an Englishman to a Frenchman.”

F is for First impressions - Johnson was six feet tall, clumsy, partially blind and deaf, and suffered involuntary convulsions, leading many to mistake him as ill-mannered. Boswell’s biography says painter William Hogarth thought Johnson was an “idiot” until the writer spoke to reveal his eloquence.

G is for Grave - Following his death on 13 December 1784, Johnson was buried in London’s Westminster Abbey.

H is for Hodge - Johnson was a great lover of cats. Boswell’s biography describes him buying oysters for Hodge, his pet at the home in Gough Square, London, where he wrote his dictionary. A statue of that “very fine cat indeed” now stands outside.

I is for Illness - Childhood illness including smallpox and scrofula - tuberculosis of the lymph nodes - left Johnson blind in one eye and almost deaf in one ear. His battle with ill health continued throughout his life.

J is for Journalism - Johnson made a living largely from journalism shortly after arriving in London. From 1738 he contributed to almost every edition of the Gentleman’s

Magazine, writing foreign and domestic news and book reviews.

K is for Kindness - Never experiencing great wealth himself, Johnson showed generosity and kindness to beggars, prostitutes, children and animals. One example is given in Boswell's Life of Samuel Johnson, where he found a poor, tired woman lying in the street, carried her home and at 'considerable expense' had her taken into care.

L is for London - One of the dominant figures of 18th Century London literary life, Johnson said: "When a man is tired of London, he is tired of life - for there is in London all that life can afford."

M is for Museums - Johnson was born on 7 September 1709 in his parents' home in Breadmarket Street, Lichfield, Staffordshire. The house survives as the Samuel Johnson Birthplace Museum. The Gough Square home where he wrote his dictionary is also a museum.

N is for Notorious - Some of Johnson's dictionary definitions blatantly revealed his own prejudices. In one entry he defined "patron" as "Commonly a wretch who supports with insolence, and is paid with flattery". His bitterness was the product of a row with the fourth Earl of Chesterfield, who had agreed to be the patron of the dictionary but then failed to produce financial backing, giving Johnson a measley £10. Another notorious definition was for "oats", which he said were "A grain, which in England is generally given to horses, but in Scotland supports the people."

O is for Overdue - Johnson completed his dictionary in nine years, six years after the original deadline. One of the phrases it used to illustrate usage of the word "dull" read: "To make dictionaries is dull work."

P is for Poverty - His father was a bookseller and the family was beset by financial difficulties during Johnson's childhood. Lack of funds later forced him to leave Pembroke College, Oxford, before earning his degree. He struggled to support himself in teaching and journalism, and was not comfortable until, in 1762, the government granted him a £300 annual pension. Oxford University awarded him an honorary Masters in 1755.

Q is for Quotations - Johnson is said to be the second most-quoted person in English after Shakespeare. His famous sayings include: "A woman's preaching is like a dog's walking on his hind legs. It is not done well, but you are surprised to find it done at all." "A cucumber should be well-sliced, dressed with pepper and vinegar, and then thrown out." On drinking too much: "He who makes a beast of himself gets rid of the pain of being a man."

R is for Regimen - Despite his physical ailments, Johnson participated in a variety of sports including swimming, rowing and riding. He was also known to walk great distances, which it was said he did to shrug off feelings of melancholy. He wrote: "Such is the constitution of man that labour may be styled its own reward; nor will any external incitements be requisite, if it be considered how much happiness is gained, and how much misery escaped, by frequent and violent agitation of the body."

S is for Sausage - A well-known scene in an episode of the comedy series Blackadder, Ink and Incapability, sends up Samuel Johnson and his dictionary. Taking a strong dislike to Johnson, Blackadder taunts him with impossible words he may have left out (such as "contrafibularities" and "pericombobulation"). It is only when Johnson reads Baldrick's own 'masterpiece' - about a "lovely little sausage

called Baldrick", he realises he has omitted the word sausage, leading to him cry out and abandon his book.

T is for Travel - In 1773 Johnson and Boswell set off on a three-month journey to the then uncharted territory of the Scottish highlands and isles. The trip resulted in two books, Boswell's Journal of a Tour to the Hebrides, and A Journey to the Western Islands of Scotland. Apparently while travelling, Johnson, inspired by the tales from James Cook's first voyage, imitated a kangaroo and allowed Boswell to dress him up in highland costume.

U is for Underhand - Speculation exists over a possible masochistic relationship between Johnson and one of his closest female friends - Hester Thrale. Although Hester was married to Henry Thrale, a businessman and MP, there is some evidence to suggest a deeper side to their friendship existed. A line in Johnson's diary in 1771, refers to some "mad reflection on shackles and hand-cuffs" while allegedly another letter to Hester, written in French, repeatedly alludes to bondage. A biography by Sir John Hawkins also indicated Johnson had a guilty secret about his sexual past.

V is for Vocabulary - While working on the dictionary, Johnson sought to expand his vocabulary by reading a wide range of specialist and technical texts. He also consulted a copy of Bailey's 1736 dictionary and read through a large collection of books for useful quotations.

W is for Wife - Johnson married Elizabeth Porter, more than 20 years his senior, in 1735. He was devoted to his wife, known as Tetty, until her death in 1752. He is believed to have later considered and decided against remarrying, describing second marriages as: "The triumph of hope over experience."

X is for Excluded - Samuel Johnson’s dictionary had no entries for the letter “X” as he claimed that it begins no word in the English language.

Y is for Yuck - Samuel Johnson described the word “yuck” only as “itch” in his Dictionary, and wrote the word’s origins to be Dutch.

Z is for Zed - Dr Johnson’s definition read: “Zed n.s The name of the

letter z. Thou whoreson zed, thou unnecessary letter. Shakespeare. ”

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> Being thus arrived in a good harbor, and brought safe to land, they fell upon their knees and blessed the God of Heaven who had brought them over the fast and furious ocean, and delivered them from all the perils and miseries thereof, again to set their feet on the firm and stable earth, their proper element.
>
> [illegible]……
>
> But here I cannot but stay and make a pause, and stand half amazed at this poor people's present condition; and so I think will the reader, too, when he well considers the same. Being thus passed the vast ocean, and a sea of troubles before in their preparation…, they had now

no friends to welcome them nor inns to entertain or refresh their weatherbeaten bodies; no houses or much less towns to repair to, to seek for succor....the barbarians showed them no small kindness in refreshing them, but these savage barbarians, when they met with them (as after will appear) were readier to fill their sides full of arrows than otherwise. And for the season it was winter, and they know that the winters of that country know them to be sharp and violent, and subject to cruel and fierce storms, dangerous to travel to known places, much more to search an unknown coast. Besides, what could they see but a hideous and desolate wilderness, full of wild beasts and wild men—and what multitudes there might be of them they knew not.

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□VIII□Isidore S. Meyer, “The Hebrew Preface to Bradford’s
History,” American Jewish Historical Society Publications□No.
XXXVIII Part 4(June 1949).

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A Dream Within A Dream (by Chandeen)

Edgar Allan Poe

Take this kiss upon the brow! And, in parting from you now, Thus much

let me avow— You are not wrong, who deem That my days have been a dream; Yet if hope has flown away In a night, or in a day, In a vision, or in none, Is it therefore the less gone? | All that we see or seem | Is but a dream within a dream.

I stand amid the roar Of a surf-tormented shore, And I hold within my

hand Grains of the golden sand— How few! yet how they creep Through my fingers to the deep, While I weep—while I weep! O God! can I not grasp Them with a tighter clasp? O God! can I not save One from the pitiless wave? | Is all that we see or seem | But a dream within a dream?

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Eldorado

Edgar Allen Poe

Gaily bedight, A gallant knight, In sunshine and in shadow, Had

journeyed long, | Singing a song, | In search of Eldorado.

But he grew old - This knight so bold - And o’er his heart a shadow

Fell as he found | No spot of ground | That looked like Eldorado.

And, as his strength Failed him at length, He met a pilgrim shadow -

“Shadow,” said he, | “Where can it be - | This land of Eldorado?”

“Over the mountains Of the Moon, Down the Valley of the Shadow, Ride,

boldly ride,” | The shade replied - | “If you seek for Eldorado!”

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William Shakespeare

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□□□□□□□“more in sorrow than in anger”□□□□□□□□□□□“wish is father to the thought”□□□□□□□□□□□□□□□□□□□“vanished into thin air”□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□“budge an inch”□□□□□□□□□“green-eyed jealousy”□□□□□□□□□□□□“played fast and loose”□□□□□□□□□□□□“tongue-tied”□□□□□□□□“a tower of strength”□□□□□□□□□□□□□□“hoodwinked”□□□□□“in a pickle”□□□□□□□□□□□□□□□□□“knitted your brows”□□□□□□□“made a virtue of necessity”□□□□□□□□□□□□□□□□□□“insisted on fair play”□□□□□□□□□□□□□□□□□□□“slept not one wink”□□□□□□□“stood on ceremony”□□□□□□“danced attendance on your lord and master”□□□□□□□□“laughed yourself into stitches”□□□□□□□□□□□□□“short shrift”□□□□□□□□□□“cold comfort”□□□□□□□□□□□□□□□□□□□“too much of a good thing”□□□□□□□□□□□□□□□□“seen better days”□□□□□□□□“fool‘s paradise”□□

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> Whan that Aprill, with his shoures soote The droghte of March hath

> perced to the roote And bathed every veyne in swich licour, Of which vertu engendred is the flour; Whan Zephirus eek with his sweete breeth Inspired hath in every holt and heeth The tendre croppes, and the yonge

sonne Hath in the Ram his halfe cours yronne, And smale foweles maken melodye, That slepen al the nyght with open eye- | (So priketh hem Nature in hir corages); | Thanne longen folk to goon on pilgrimages

[illegible]

When in April the sweet showers fall That pierce March’s drought

to the root and all And bathed every vein in liquor that has power To generate therein and sire the flower; When Zephyr also has with his sweet breath, Filled again, in every holt and heath, The tender shoots and leaves, and the young sun His half-course in the sign of the Ram has run, And many little birds make melody That sleep through all the night with open eye | (So Nature pricks them on to ramp and rage) | Then folk do long to go on pilgrimage,

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APRIL is the cruellest month, breeding Lilacs out of the dead land,

mixing | Memory and desire, stirring | Dull roots with spring rain.

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□□□□□Indo-European Family□

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1.

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□□□□□□□□□”get+□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□We Get Started on These Programs□□□□□□□□□□I got invited to her party yesterday□□

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2.

□□□”get+□□□□”□□□□□□□□

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1. The bus hit John.
2. John was hit by the bus.
3. John got hit by the bus.

□□□□□□□□□□□□□□□□□□□□□□”be + □□□□”□□□□□□□□□”got + □□□□”□□□□

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* It is upsetting when a person gets punished for a crime that he didn’t commit.

* The picture got damaged (= was damaged) when we were moving.

* If they make such criticisms they will get treated with the contempt they deserve.

* I don’t want to get mixed up with the police again.

* After working here selflessly for several years,Mr. Li got promoted at last.

* They got delayed because of the holiday traffic.

3.

“get+□□□□”□”be+□□□□”□□□□□

□1□□”be+□□□□”□□□□□be□□□□□auxiliary□□□□□□□□□□□□□□□ □□get□□□□□□□□□□□□□□□□□□□□□□

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* Was Kim attacked by a tiger?

* Kim was not attacked by a tiger.

* Did Kim get attacked by a tiger?

* Kim did not get attacked by a tiger.

□□□□□□□□□□□□□□□□□□□□

* Got Kim attacked by a tiger? (×)

* Kim got not attacked by a tiger. (×)

□2□”get+□□□□”□□□□□□□□□□□□”be+□□□□”□□□□□□

□□□□□□□

* You will be getting cursed.

* My brother has been getting examined

□3□”get+□□□□”□□□□□□□”by+□□□□”□□□□□□□□□□□□

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* I got caught in the rain.

* I got caught by the rain. □×□

□□□□□□□□□□□□□□by□

* He got caught by the police.

* He got hit on the head by the burglar.

* Raghu got kicked in the shin by a donkey.

* He got punched in the nose by his opponent.

□4□”get+□□□□”□□□□□□□□□□□□□

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* Gunfire was heard in the auditorium.

* Gunfire got heard in the auditorium.(×)

4.

**[illegible]”get + [illegible]”[illegible]
[illegible] **

[illegible]

1. Joe was dressed [by someone]
2. Joe got dressed.

a[illegible]Joe[illegible]b[illegible]Joe[illegible]
[illegible]get dressed[illegible]get

divorced[illegible]get engaged[illegible]get confused[illegible]get lost[illegible]get washed[illegible] [illegible]get married[illegible]

5.

[illegible]”get+[illegible]”[illegible]
[illegible]

[illegible]”be+[illegible]”[illegible]subject[illegible]object[illegible]
[illegible]

* Marconi invented the radio.

* The radio was invented by Marconi.

[illegible]”get+[illegible]”[illegible]
[illegible]”by+[illegible]”[illegible]

[illegible]**”get+[illegible]”**[illegible]

6.

[illegible]get used to[illegible]

7.

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He got hit!

I got caught.

I got lost.

We got married.

Mike got dressed for bed.

8.

[□□]

□1□ I don’t know how it happened, but I ____ in San Francisco.

1. was lost b) got lost

□2□ That evening the Greek embassy was having a party. I ____ by a friend who worked there.

1. was invited b) got invited

□3□ I had been out all day sightseeing. When I returned it was late, so I ____ quickly and left the hotel.

1. was dressed b) got dressed

□4□ Fortunately, I ____ a map before I left the hotel.

1. was given b) got given

□5□ As I was leaving the hotel, I almost ____ by a taxi.

1. got hit b) was hit

（6） The embassy was only a few blocks away. So I walked. Somewhere along the way, I ____ .

1. got disoriented b) was disoriented

（7） I took a wrong turn and walked the wrong direction. Finally, I hailed a taxi and ____ to the party.

1. was driven b) got driven

[illegible]

（1）b （2）a （3）b （4）a （5）a/b [illegible] （6）a （7）a

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* http://smccd.net/accounts/sevas/esl/reviewlesson/passive2.html

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“[illegible]”[illegible]un-[illegible]in-

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1.

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□□□unfair, unclean, uneven, or unripe□

□□□□□□□□□□□□□□□□□un-□

□□□unceasing□-ing□, unmindful(-ful), unwealthy(-y), unselfish(-ish), or unwholesome(-some)□

2.

□□□□□□□□□□□□□□□□□□in-□

□□□inaccurate□-ate□, incapacity□-ty□, indivisible(-ible), insignificant(-ant), illegal(-al), impossible(-able), or irregular(-ar) □

3.

□□□□□□□□□□□□□□□□□□□□□□□□

unjust□injustice unable□inability
unquiet□inquietude
uncivil□incivility

4.

□-ed□□□□□□un-□□□in-□

undigested□indigestible unanimated□inanimate uncompleted□incomplete

undetermined□indeterminate unlettered□illiterate unlimited □illimitable | unredeemed□irredeemable | unreconciled□ irreconcilable

5.

□-ing□□□□un-□□□in-□

unceasing□incessant
undiscriminating□indiscriminate

6.

□□□□□□□□□□ un-□□□

□□unadventurous, unceremonious, unconditional, and unconventional□

7.

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[illegible]·[illegible]To see a world in a grain of sand[illegible]

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[illegible]·[illegible]William Blake[illegible]18[illegible]19[illegible]20[illegible]

To see a world in a grain of sand And a heaven in a wild flower,
Hold infinity in the palm of your hand
And eternity in an hour.

[illegible]

[illegible], [illegible].
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[illegible]132[illegible]Auguries of Innocence[illegible]

[illegible]

William Blake - Auguries of Innocence

To see a world in a grain of sand, And a heaven in a wild flower,
Hold infinity in the palm of your hand,
And eternity in an hour.
A robin redbreast in a cage
Puts all heaven in a rage.
A dove-house fill’d with doves and pigeons Shudders hell thro’ all its

regions. | A dog starv’d at his master’s gate | Predicts the ruin of the state.

A horse misused upon the road Calls to heaven for human blood.
Each outcry of the hunted hare
A fibre from the brain does tear.

A skylark wounded in the wing, A cherubim does cease to sing.
The game-cock clipt and arm’d for fight
Does the rising sun affright.
Every wolf’s and lion’s howl
Raises from hell a human soul.
The wild deer, wand’ring here and there, Keeps the human soul from

care. | The lamb misus’d breeds public strife, | And yet forgives the butcher’s knife.

The bat that flits at close of eve Has left the brain that won’t

believe. | The owl that calls upon the night | Speaks the unbeliever’s fright.

He who shall hurt the little wren Shall never be belov’d by men.
He who the ox to wrath has mov’d
Shall never be by woman lov’d.
The wanton boy that kills the fly Shall feel the spider’s enmity.
He who torments the chafer’s sprite
Weaves a bower in endless night.
The caterpillar on the leaf Repeats to thee thy mother’s grief.
Kill not the moth nor butterfly,
For the last judgement draweth nigh.
He who shall train the horse to war Shall never pass the polar bar.
The beggar’s dog and widow’s cat,
Feed them and thou wilt grow fat.
The gnat that sings his summer’s song Poison gets from slander’s

tongue. | The poison of the snake and newt | Is the sweat of envy's foot.

The poison of the honey bee
Is the artist's jealousy.
The prince's robes and beggar's rags Are toadstools on the miser's

bags. | A truth that's told with bad intent | Beats all the lies you can invent.

It is right it should be so; Man was made for joy and woe;
And when this we rightly know,
Thro' the world we safely go.
Joy and woe are woven fine, A clothing for the soul divine.
Under every grief and pine
Runs a joy with silken twine.
The babe is more than swaddling bands; Every farmer understands.
Every tear from every eye
Becomes a babe in eternity;
This is caught by females bright, And return'd to its own delight.
The bleat, the bark, bellow, and roar,
Are waves that beat on heaven's shore.
The babe that weeps the rod beneath Writes revenge in realms of death.
The beggar's rags, fluttering in air,
Does to rags the heavens tear.
The soldier, arm'd with sword and gun, Palsied strikes the summer's

sun. | The poor man's farthing is worth more | Than all the gold on Afric's shore.

One mite wrung from the lab’rer’s hands Shall buy and sell the miser’s

lands; | Or, if protected from on high, | Does that whole nation sell and buy.

He who mocks the infant’s faith Shall be mock’d in age and death.
He who shall teach the child to doubt
The rotting grave shall ne’er get out.
He who respects the infant’s faith Triumphs over hell and death.
The child’s toys and the old man’s reasons
Are the fruits of the two seasons.
The questioner, who sits so sly, Shall never know how to reply.
He who replies to words of doubt
Doth put the light of knowledge out.
The strongest poison ever known Came from Caesar’s laurel crown.
Nought can deform the human race
Like to the armour’s iron brace.
When gold and gems adorn the plow, To peaceful arts shall envy bow.
A riddle, or the cricket’s cry,
Is to doubt a fit reply.
The emmet’s inch and eagle’s mile Make lame philosophy to smile.
He who doubts from what he sees
Will ne’er believe, do what you please.
If the sun and moon should doubt, They’d immediately go out.
To be in a passion you good may do,
But no good if a passion is in you.
The whore and gambler, by the state Licensed, build that nation’s

fate. | The harlot’s cry from street to street | Shall weave old England’s winding-sheet.

The winner’s shout, the loser’s curse,
Dance before dead England’s hearse.
Every night and every morn Some to misery are born,
Every morn and every night
Some are born to sweet delight.
Some are born to sweet delight,
Some are born to endless night.
We are led to believe a lie When we see not thro’ the eye,
Which was born in a night to perish in a night,
When the soul slept in beams of light.
God appears, and God is light, To those poor souls who dwell in night;
But does a human form display
To those who dwell in realms of day.

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1.

[illegible]a poem[illegible]stanze[illegible]strophe[illegible]line [illegible] verse[illegible]foot[illegible]arsis[illegible]ictus[illegible]thesis[illegible]

[illegible]meter [illegible] measure[illegible]

2.

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[illegible]

a)[illegible]Iambus; the Iambic

Foot[illegible] b)[illegible]Trochee; the Trochaic Foot[illegible] | c)[illegible]Dactyl[illegible] | d)[illegible]Anapaest; the Anapaestic Foot[illegible]

[illegible]

e)[illegible]Amphibrach; the Amphibrachy

Foot[illegible] | f)[illegible]Spondee[illegible] | g)[illegible]Pyrrhic[illegible]

3.

[illegible]actalectic foot[illegible]cactalectic[illegible]

4.

[illegible]

[illegible]monometer[illegible] [illegible]dimeter[illegible] [illegible]trimeter[illegible]

[illegible]tetrameter[illegible] [illegible]pentameter[illegible] [illegible]hexameter[illegible] | [illegible]heptameter[illegible] | [illegible]octameter[illegible]

[illegible]

5.

[illegible]iambic monometer[illegible]trochaic monometer[illegible]anapaestic trimeter[illegible]trochaic tetrameter[illegible]iambic pentameter[illegible]trochaic hexameter[illegible]

[illegible]sonnet[illegible]heroic couplet[illegible]blank verse[illegible]

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American Situational Conversations

(1).Introductios and Opening Conversations [illegible]

People in the United States don’t always shake hands when they are introduced to one another. However, in a formal or business situation people almost always shake hands.

1.A: Mary, this is Joe’s brother David. B; I’m very glad to meet you.

C: It’s a pleasure to meet you. B: How do you like Texas so far? | C: It’s really different from what I expected. | B: Don’t worry. You’ll get used to it in no time.

2.A: Mrs. Smith, I’d like to introduce a friend of mine, Pierre

Dubois. B: How do you do? C: Hello. B: What’s your impression of the United States? | C: Well, I can’t get over how different the weather is here. | B: Oh, you’ll get used to it soon!

3.A: Wendy, I’d like you to meet my brother Sam. B: Hi. C: Nice to

meet you. B: What do you think of Dallas? | C: Well, I’m still feeling a little homesick and so many things seem strange to me. | B: You’re bound to feel that way at first, I guess.

4.A: Mrs.Hughs, this is Peter Brown. B: Pleased to meet you. C: How do

you do? B: I hope you’re enjoying your stay here. | C: If it weren’t for the climate, I’d like it here very much. | B: It always takes time to get used to a new place.

(2).Special Greetings □□□□□□

There are eight national holidays celebrated in the United States: New

Year’s | Day(Jan.), Washington’s Birthday (Feb.), Memorial Day(May), the Fourth of July, Labor Day(Sep.),Veteran’s Day(Nav.),Thanksgiving(Nov.) and Christmas(Dec.), In addition, there are many state and local holidays.

1. A: Merry Christmas! B: The same to you! A: Are you doing anyting

special? | B: We’re having some friends over. What are you doing? | A: Oh, I’m just going to take it easy.

2. A: Happy New Year! B: Thank you! Same to you. A: Have you got any

plans? | B: I’ve been invited over to la friend’s. And you? | A: My reemmate’s having a party.

3. A: Have a nice Thanksgiving! B: Same to you! A: Are you going

anywhere? | B: I thought about going to my sister’s. How about you? | A: Oh, I’ll probably just stay at home.

4. A: Have a nice weekend! B: Thanks. You too! A: Do you have any

plans? | B: Well, my family’s away and I can’t afford to do much. What about you? | A: Oh, I haven’t decided what I’m going to do yet.

(3).Meeting old friends □□□□

Many people shake hands when meeting after they havn’t seen each other for a long time.

1. A: I haven’t seen you for ages. You haven’t been sich, have you? B:

No, I’ve been in California for the past month. | A: How nice. Where were you exactly? | B: San Diego. I got back yesterday.

2. A: It’s nice to see you again. Have you chaged jobs? B: No, I’ve

been visiting relatives. | A: That’s nice. Where? | B: I went to visit an uncle of mine in San Francisco.

3. A: You haven’t been around much lately, have you? B: No, I’ve been

away on vacation. | A: Oh? Where were you? | B: Palm Springs. I’ve got a cousin there.

4. A: Well, hello, stranger! Have you moved or something? B: No, I

went to California for a few weeks. | A: Oh, really? Where did you go? | B: Los Angeles. I stayed with my brother.

(4).Saying Goodbye □□

When you’re far from friends and family, you can keep in touch with them by letters, post cards, short notes or phone calls.

1.A: I’ve come to say goodbye. B: When are you off? A: I’m flying home

on Sunday afternoon. | B: Well, goodbye. See you soon. | A: Please don’t forget to say goodbye to the rest of the family for me.

2.A: I’d like to say goodbye to everyone. B: What time are you going?

A: My plane leaves at 7:25. | B; Well, goodbye and have a good trip! | A: Goodbye. Remember to look me up if you’re ever in Washington.

3.A; I’m calling to say goodbye. B: When do you leave? A: I’m catching

the 11:00 train. | B: Take care of yourself and don’t forget to keep in touch. | A: Goodbye. Thanks again for everything.

4.A: I just dropped in to say goodbye. B: What time are you leaving?

A: I’m going to try to leave by 10:00. | B: Take care and give my best to your parents. | A: Goodbye. Hope to see you again next year.

(5).Saying Thank You □□

When someone invites you for dinner, you can bring flowers,candy or a bottle of wine. Sometimes people send a thank you note to the host or hostess a few days after the event.

1.A: I’d better be going. B: So soon? Why don’t you stay a little

longer? A: I wish I could, but it’s already late. B: Oh, it’s a shame that you have to leave. | A: Thank you for a wonderful meal. | B: I’m glad you enjoyed it.

2.A: I really must be going now. B: But you just got here. Can’t you

stay a little longer? A: That’s very nice of you, but I really can’t. B: Well, it’s too bad that you have to go. | A: Thanks very much. It was a great party! | B: It was our pleasure.

3.A: I think it’s about time we got going. B: What? Already? Won’t you

have more coffee? A: I’d love to, but I have to get up early tomorrow. B: Oh! I’m sorry. I wish you could stay. | A: Thank you for a very enjoyable evening. | B: Don’t mention it. I hope you can come again soon.

4.A: I really should be on my way. B: Oh, not yet! At least have one

for the road. A: No. Thanks all the same. B: Well, I'm sorry you have to leave so early. | A: Thank you very much. We really had a good time. | B: Well, thank you for coming.

(6).Asking People to Repeat □□□□

As long as you ask politely, most people do not mind repeating something you didn't hear or understand.

1.A: I'm sorry, but I didn't catch what you said. B: I said, "Do you

want me to help you?" | A: If you're sure you're not in a hurry, I can use a lttle help. | B: Would you like me to get you a cab?

2.A: I beg your pardon? B: I said, "Do you need any help?"
A: That's very nice of you. I guess I could use some help.
B: Just tell me what you'd like me to do.
3.A: What was that? B: I said, "Is there anything I can do?"
A: If it's not too much trouble, I would like some help.
B: It's no trouble at all. I'll carry this suitcase for you.
4.A: Excuse me? I didn't hear what you said. B: I asked you if you

wanted some help. | A: If you wouldn't mind, I could use a hand. | B: I'll get this bag for you.

(7).Asking Favors □□

When you ask for things, it is important to be polite. The intonation that you use in making your request is as important as what you actually say. When you think someone will refuse your request, you can ask the question

in such a way that the refusal does not cause embarrassment.

1. A: Is there any chance of my borrowing your type-writer? B: For how

long? | A: Until the end of the week. | B: Yes, I guess that would be all right.

2. A: Would you mind if I borrowed your car? B: Well, when exactly?
A: Until Monday or Tuesday of next week.
B: I’m sorry, but it’s just not possible.
3. A: Do you think you could lend me some of your records? B: Until

when? | A: Oh, just over the holidays. | B: I’m not sure. I’ll have to think about it.

4. A: I was wondering if you’d let me stay with you for a few days. B:

It really depends on when. | A: Until next weekend, if that’s OK. | B: Let me think it over, and I’ll let you know later.

(8).Giving Compliments □□

Friends often compliment one another on clothes, especially if the clothes are new.

1.A: What a beautiful sweater! B: Do you think it looks good on me? A:

Yes, and it goes beautifully with your pants. | B: You won’t believe it, but it was really cheap. | A: I wish I could find one just like it.

2.A: I like your new coat. B: Do you think it fits OK? A: Yes. It

looks terrific! | B: I bought it at half price. | A: You were lucky to find it.

3.A: That's a very nice jacket. B: Does it really look OK? A: Yes, and

I like the color too. It matches your hat. | B: And I got it on sale. | A: That's incredible!

4.A: I love that shirt. B: Do you really like it? A: Yes, it fits

perfectly. | B: It wasn't very expensive either. | A: That's amazing! It sure looks expensive.

(9).Apologizing □□

Sometimes it is necessary to tell someone bad news gently.

1.A: I'm afraid I spilled coffee on the tablecloth. B: Oh, don't worry

about it. | A: I want to apologize. Is there anything I can do? | B: Just forget about it. I never did like it anyway.

2.A: I'm really sorry, but I seem to have misplaced your scarf. B: Oh,

that's all right. | A: I'm very sorry. Can I get you another one? | B: No. Forget about it. It's not important.

3.A: I'm sorry, but I can't find the book you lent me. B: That's OK.
A: I really feel bad about it. Let me buy you a new one.
B: No. Don't be silly. I wouldn't dream of letting you do that.
4.A: I feel terrible, but I've just broken your ashtray. B: It's

nothing to get upset about. | A: I don't know what to say. I'd like to replace it. | B: No. It's out of the question.

(10).Complaining □□

It's a good idea to be as polite as possible even when complaining about something.

1.A: I wish you wouldn't play the TV so loud. B: Sorry. Where you

trying to sleep? | A: Yes, And while I think of it, please ask when you want to borrow my records. | B: I'm sorry. You're right. I should have asked.

2.A: Do you think you could keep the noise down? B: I'm sorry. Am I

keeping you awake? | A: Yes. And another thing, would you mind not making long distance calls. | B: I'm sorry. I thought you wouldn't mind.

3.A: That radio's pretty loud. Could you turn it down, please? B:

Sorry. Was I disturbing you? | A: Yes. And something else, please don't borrow my clothes without asking. | B: Sorry. I guess I wasn't thinking. I won't do it again.

4.A: You don't have to play that record so loud, do you? B: I'm sorry.

Has it been bothering you? | A: Yes. And please ask me the next time you want to use something. | B: I'm sorry. I meant to ask you.

(11).The weather

A very common way to start a conversation is to talk about the weather. When you're traveling, remember that there is considerable variation in climate in the United States.

1.A: Beautiful day, isn't it? B: Yes, it's not like what the radio

said at all. | A: I wish it would stay this way for the weekend. | B: As long as it doesn't snow!

2.A: It seems to be clearing up. B: It's such a nice change.
A: I really don't think this weather will last.
B: Let's just hope it doesn't get cold again.
3.A: It looks it's going to be sunny. B: Yes, it's much better than

yesterday. | A: They say we're going to get some rain later. | B: Oh, let's just hope it stays warm.

4.A: I think it's going to be a nice day. B: It's certainly a big

improvement over yesterday. | A: But it's supposed to get cloudy and windy again this afternoon. | B: Well,the worst of the winter should be over.

(12).Asking for Change

It is sometimes difficult toget change without buying something, so it's a good idea to carry change with you at all times. If you need change, you can buy something inexpensive like candy or a newspaper and ask for the coins you need.

1.A: Excuse me, but could you give me some change? B: Let me see. Are

dimes and quarters OK? | A: I want to make a long distance phone call. | B: Then you’ll need small change.

2.A: Sorry to bother you, but do you have change for a one? B: I’ll

have to look. What do you want it for? | A: I need it for the parking meter. | B: I can give you quarters, if that’ll help.

3.A: Pardon me, but I was wondering if you could break a one. B: Let

me look. What do you need? | A: I need the change for the stamp machine. | B: I think dimes and quarters will do.

4.A: Excuse me, could you give me change for a dollar? B: I’ll see

what I have. What do you need it for? | A: I want to get cigarettes. | B: You can use quarters, dimes and nickels.

(13).Making a Telephone Call □□□(1)

The telephone system in the United States, as in many other countries,

has a special number for each region of the country. It is called as “area code”. If you know the area code and the phone number, it’s usually cheaper to dial the number yourself. Of course, you must go through an operator to make person-to-person or cllect calls. You can dial direct to many countries | overseas or you can ask for the overseas operator.

1.A:Operator. B:I’d like to make a collect call to Los Angeles. That’s

area code 213-486-2435. | A:And what’s the name of the person you want to speak to? | B:Susan Greene.

2.A:Operator. B:Yes, Operator. I’d like to place a person-to-person

call to Chicago. The number is 932-8647, but I don’t know the area code. | A:Who do you want to speak to? | B:I’ll speak to anyone at extension 214.

3.A:Operator. B:I want to make a person-to-person call to

212-836-1725. | A:And the name of the person you’re calling, please? | B:Ed Cooper. That’s C double O-P-E-R.

4.A:Operator. B:Operator, I’d like to place a call to Winnipeg,

Cananda. The number is 932-0806. | A:What’s the name of the party you’re calling? | B:I’m not sure of the name, but the extension is 211.

(14).Making a Telephone Call □□□(2)

When using a public telephone, be sure to read the directions carefully before dialing.

1.A:Hello. Can I speak to Yolanda, please? B:Hold on, please. A:Thank

you. B:Sorry, but she’s out. | A:Would you tell her Tom Gray called? | B:I’d be glad to.

2.A:Hello. Is Marie Ward there, please? B:I’ll see if she’s in. A:OK.

B:I’m afraid she’s not here. | A:Could you give her a message, please? | B:Yes, of course.

3.A:Hello. Is Mrs. James in, please? B:Hang on, please. A:All right.

B:I’m sorry, but I think she’s stepped out. | A:Would you ask her to call Larry Ruskin at 836-2550? | B:Certainly.

4.A:Hello. Could I please speak to Miss Davis? B:Just a minute,

please. A:Thanks. B:She’s not at here desk right now. | A:Could you tell her to give Doug a call when she gets back? She has my number. | B:Sure.

(15).Asking for Directions □□

People are usually helpful when you ask for directions. You should try to have the exact address and be as specific as possible. Telephone directories are the most common sourse of addresses. Remember that many cities and some towns are built in “blocks”. People will often tell you, for example, to “go two blocks and turn right.”

1.A:Excuse me, Can you tell me where Main Street is? B:Turn left at

the second light and then go straight for two blocks. A:Is it far? B:No. It’s only a five-minute walk. | A:Thanks a lot. | B:You’re welcome.

2.A:Excuse me. Could you please tell me how to get to the station?

B:Turn left at the first light. You can’t miss it. A:Will it take me long to get there? B:No. It’s not far at all. | A:Thank you. | B:Don’t mention it.

3.A:Can you help me out? I’m trying to find a post office. B:Go three

block and make a right. It’s right there. A:Should I take the bus? B:No. It’ll only take about five minutes to walk. | A:Thank you very much. | B:Any time.

4.A:Pardon me. I wonder if you could tell me how to get to Mott

Street? B:Keep going straight for two blocks, then turn right o Elm Street and you’ll run right into it. A:Is it too far to walk? B:Nl. It’s only a little ways. | A:Thanks. | B:Sure. Have a good day.

(16).Making an Appointment

It is usually necessary to make an appointment with a doctor, dentist or lawyer. You should call as far in advance as possible.

1.A: Would Dr. Block be able to see me at 9:30 tomorrow? B: I’m sorry,

but she won’t have any openings until 11:00, unless there’s a cancellation. | A: Would 1:00 be convenient? | B: Yes, she’s free then.

2.A: I wonder if the dentist could fit me in early tomorrow? B: I’m

afraid there’s nothing availavle before noon. | A: How about 12:45? | B: Sorry, but she’s busy then too.

3.A: I’d like to make an appointment with Professor Smith. Would 9:00

tomorrow be all right? B: I’m afraid not. She doesn’t have any openings in the morning. A: Could I possibly make it early in the afternoon? | B: NoI That’s not good either. But give me your number and I’ll call you if somebody | cancels.

4.A: Do you think the doctor could see me tomorrow before 9:30? B: She

won’t be in until 10:45, so the earliest would be 11:00. | A: How would 12:45 be? | B: Just a second. I’ll have to check.

(17).On a Bus □□□□□□

In cities, buses have letters or numbers indicating their routes. Usually the exact fare is required because you can’t get change on a bus. Long-distance travel by bus is common throughout the United States and Cannda. It is an inexpensive, scenic way to travel. Special tickets for unlimited travel are sometimes offered by the larger bus companies.

1.A: Does this bus go to the train station? B: No, You’ll have to get

off at the bank and take the A52. | A: How long is the ride? | B: About ten minutes.

2.A: Is this the bus for Park Ridge? B: No. It only goes as far as

Main Street, but you can get the Number 31 there. | A: How long does it take to get there? | B: It only takes a few minutes.

3.A: Does this bus go to the beach? B: No. You’re going the wrong way.

You want the Number11. It stops in front of the post office. | A: About how long does it take? | B: Only fifteen minutes.

4.A□Is this the right bus for Pacific Boulevard? B: No. You should

have taken the Yellow Line bus. You can get one at the next stop. | A: Is it long ride? | B: Not that long.

(18).Taking a Texi □□□□□

Taxi fares vary from city to city. In some cities, taxis have meters that tell you the fare. For long rides, it is a good idea to ask in advance what the approximate fare will be. This is especially true if you’re taking a taxi from an airport. You should tip taxi drivers about 15% of the total fare.

1.A: Kennedy Airport, please. I have to be there by 7:00. B: I can’t

promise anything, but I’ll do my best. | B: OK. That’ll be $12.00, please. | A: Thanks a lot. Here.

2.A: Do you think you can get me to Union station by quarter after? B:

We shoudn’t have any trouble if the traffic isn’t too heavy. | B: You’ve got plenty of time. That’s $7.65, please. | A: Thank you very much. Here’s $10.00. Give me $1.00 back, please.

3.A: The Hilton Hotel, please. I have a 10.30 appointment. B: You’ll

be there in plenty of time. | B: Here we are. $8.50, please. | A: Thank you. Here’s $10.00. keep the change.

4.A: Grand Central Station, please. I want to try to catch a 6:00

train. B: I think you'll make it if we don't get stuck in a traffic jam. | B: This is it. That's $9.15, please. | A: Here.

(19).At a Railroad Station □□□□

Long-distance travel by train is not as common in the United Stated as it many other parts of the world. Most train travel is in the "Northeast Corridor" linking Boston, New York, Philadelphia, Baltimore and Washington, D.C. Special express trains called "Metroliners" travel between New York and Washington, D.C. All seats on these trains are reserved in both coach(2nd class) and club car(1st class). Long-distance trains also serve major cities such as Atlanta, Miami, New Orleans, Chicago, Los Angeles, San Francisco and Seattle. Sleeping compartments are available on most long-distance trains and must be reserved in advance. Most trains are operated by AMTRAK, the national railroad corporation.

1.A:What time does the train for Boston leave? B:9:25 on Track 12.

A:When does it arrive? B:It should be there at 11:45, but it may be a little late. | A:How much is a one-way ticket. | B:It's $32.00 coach and $50.00 club car.

2.A:Which train do I take to Philadelphia? B:Track 4 at 9:30. A:How

long does it take? B:It's due in at noon. | A:What's the round-trip fare? | B:It's $25.00 one way or $45.00 for a weekend excursion.

3.A:What track does the Metroliner leave from? B:That’s Track 1 at

9:45. A:What time does it get in? B:It gets in around 11:45. | A:What’s the fare? | B:Coach is $32.00.

4.A:What time’s the next train to Washington? B:That’s 9:26 on Track

16. A:When does it get there? B:It’s scheduled to arrive at 11:50. | A:How much is it? | B:It’s $30.00 one way or $55.00 round trip.

(20).The New York City Subway □□□□□□

There are subway systems in several cities in the US. New York City has an extensive and rather complicated rapid transit system. Each train is designated by a letter or a number, but most New Yorkers refer to them by such names as the Broadway Local and the 6th Avenue Express. It is important to remember that both local and express trains operate on some lines. You must have a token or, in some cases, the exact change to get on the platforms. Subway maps are available at most token booths.

1.A: Which train do I take to Columbus Circle, please? B: Take the

uptown A train and get off at the next station. | A: And where do I get the train? | B: Just go down those steps.

2.A: How do I get to Rockefeller Center? B: Take the RR to 34th

Street, then change to the D train and go two stops. | A: Which platform is it on? | B: Go down the stairs over there.

3.A: Which line do I take for Greenwich Village? B: You can take the

D, the F or the A. Just make sure you’re going downtown. | A: How do I get down to the trains? | B: Take the escalator and then go to the right.

4.A: Can you tell me the best way to get to Wall Street? B: You want

the 7th Avenue Express, the Number 2. | A: Which way should I go? | B: Go straight down those stairs and follow the signs.

(21).Making Airline Reservations □□□□□

You can go to a travel agency or talk directly to the airlines to make air travel arrangements. Remember that some cities have more than one airport. Be sure you know which airport and terminal your flight leaves from.

1.A: I want to fly to Chicago on Thursday, the 1st. B: Let me see

what’s available. A: I want to go coach, and I’d prefer a morning flight. B: United’s Flight 102 leaves at 9:20. | A: That’s fine. What time do I have to be at the airport? | B: Check-in time is 8:45.

2.A: I’d like to make a reserbation to Los Angeles for next Monday. B:

Just a second and I’ll check the schedule. A: I’ll need an economy ticket with an open return. B: TWA has a fight leaving at 9:25. | A: I guess that’s OK. What time should I check in? | B: You have to be there half an hour before departure time.

3.A: What flights do you have from New York to London tomorrow? B: One

moment, please, and I'll find out what's available. A: I'd like to travel first-class. B: OK. We have a nonstop flight leaving Kennedy at 9:25. | A: When should I get to the airport? | B: Please be there by 8:45 at the latest.

4.A: Do you fly to Dallas on Sunday? B: Just a minute and I'll see if

there are any flights. A: By the way, I don't want a night flight. B: There's a DC-10 out of LaGuardia Airport at 9:15. | A: When am I supposed to check in? | B: Try to be there by 8:15-the airport will be crowded.

(22).Renting a Car □□□

It is possible to use a foreign license when driving in the United States, but it is a good idea to have an international driver's license. It you do not have an internationally recognized credit card, a large deposit is usually required to rent a car. Each state has its own driving requlations, so pay close attention to road signs.

1.A: How much is it to rent an economy car? B: $19.00 a day or $129.00

a week, unlimited mileage. A: Could I have one for tomorrow morning? B: Do you have your driver's license? | A: Sure. Here it is. | B: Good. Now just complete this form.

2.A: What's the rate for a station wagon? B: The daily rate is $32.00

plus 39 Cents per mile. A: Good. I'll take it right now, if possible. B: Can I see your license, please? | A: Of course. I

have my own license and an international license. |
B:American Situational Conversations

(1).Introductios and Opening Conversations

People in the United States don’t always shake hands when they are introduced to one another. However, in a formal or business situation people almost always shake hands.

1.A: Mary, this is Joe’s brother David. B; I’m very glad to meet you.

C: It’s a pleasure to meet you. B: How do you like Texas so far? | C: It’s really different from what I expected. | B: Don’t worry. You’ll get used to it in no time.

2.A: Mrs. Smith, I’d like to introduce a friend of mine, Pierre

Dubois. B: How do you do? C: Hello. B: What’s your impression of the United States? | C: Well, I can’t get over how different the weather is here. | B: Oh, you’ll get used to it soon!

3.A: Wendy, I’d like you to meet my brother Sam. B: Hi. C: Nice to

meet you. B: What do you think of Dallas? | C: Well, I’m still feeling a little homesick and so many things seem strange to me. | B: You’re bound to feel that way at first, I guess.

4.A: Mrs.Hughs, this is Peter Brown. B: Pleased to meet you. C: How do

you do? B: I hope you’re enjoying your stay here. | C: If it weren’t for the climate, I’d like it here very much. | B: It always takes time to get used to a new place.

(2).Special Greetings □□□□□□

There are eight national holidays celebrated in the United States: New

Year’s | Day(Jan.), Washington’s Birthday (Feb.), Memorial Day(May), the Fourth of July, Labor Day(Sep.),Veteran’s Day(Nav.),Thanksgiving(Nov.) and Christmas(Dec.), In addition, there are many state and local holidays.

1. A: Merry Christmas! B: The same to you! A: Are you doing anyting

special? | B: We’re having some friends over. What are you doing? | A: Oh, I’m just going to take it easy.

2. A: Happy New Year! B: Thank you! Same to you. A: Have you got any

plans? | B: I’ve been invited over to la friend’s. And you? | A: My reemmate’s having a party.

3. A: Have a nice Thanksgiving! B: Same to you! A: Are you going

anywhere? | B: I thought about going to my sister’s. How about you? | A: Oh, I’ll probably just stay at home.

4. A: Have a nice weekend! B: Thanks. You too! A: Do you have any

plans? | B: Well, my family’s away and I can’t afford to do much. What about you? | A: Oh, I haven’t decided what I’m going to do yet.

(3).Meeting old friends □□□□

Many people shake hands when meeting after they havn’t seen each other for a long time.

1. A: I haven’t seen you for ages. You haven’t been sich, have you? B:

No, I’ve been in California for the past month. | A: How nice. Where were you exactly? | B: San Diego. I got back yesterday.

2. A: It’s nice to see you again. Have you chaged jobs? B: No, I’ve

been visiting relatives. | A: That’s nice. Where? | B: I went to visit an uncle of mine in San Francisco.

3. A: You haven’t been around much lately, have you? B: No, I’ve been

away on vacation. | A: Oh? Where were you? | B: Palm Springs. I’ve got a cousin there.

4. A: Well, hello, stranger! Have you moved or something? B: No, I

went to California for a few weeks. | A: Oh, really? Where did you go? | B: Los Angeles. I stayed with my brother.

(4).Saying Goodbye □□

When you’re far from friends and family, you can keep in touch with them by letters, post cards, short notes or phone calls.

1.A: I’ve come to say goodbye. B: When are you off? A: I’m flying home

on Sunday afternoon. | B: Well, goodbye. See you soon. | A: Please don’t forget to say goodbye to the rest of the family for me.

2.A: I’d like to say goodbye to everyone. B: What time are you going?

A: My plane leaves at 7:25. | B; Well, goodbye and have a good trip! | A: Goodbye. Remember to look me up if you’re ever in Washington.

3.A; I’m calling to say goodbye. B: When do you leave? A: I’m catching

the 11:00 train. | B: Take care of yourself and don’t forget to keep in touch. | A: Goodbye. Thanks again for everything.

4.A: I just dropped in to say goodbye. B: What time are you leaving?

A: I’m going to try to leave by 10:00. | B: Take care and give my best to your parents. | A: Goodbye. Hope to see you again next year.

(5).Saying Thank You □□

When someone invites you for dinner, you can bring flowers,candy or a bottle of wine. Sometimes people send a thank you note to the host or hostess a few days after the event.

1.A: I’d better be going. B: So soon? Why don’t you stay a little

longer? A: I wish I could, but it’s already late. B: Oh, it’s a shame that you have to leave. | A: Thank you for a wonderful meal. | B: I’m glad you enjoyed it.

2.A: I really must be going now. B: But you just got here. Can’t you

stay a little longer? A: That’s very nice of you, but I really can’t. B: Well, it’s too bad that you have to go. | A: Thanks very much. It was a great party! | B: It was our pleasure.

3.A: I think it’s about time we got going. B: What? Already? Won’t you

have more coffee? A: I’d love to, but I have to get up early tomorrow. B: Oh! I’m sorry. I wish you could stay. | A: Thank you for a very enjoyable evening. | B: Don’t mention it. I hope you can come again soon.

4.A: I really should be on my way. B: Oh, not yet! At least have one

for the road. A: No. Thanks all the same. B: Well, I’m sorry you have to leave so early. | A: Thank you very much. We really had a good time. | B: Well, thank you for coming.

(6).Asking People to Repeat □□□□

As long as you ask politely, most people do not mind repeating something you didn’t hear or understand.

1.A: I’m sorry, but I didn’t catch what you said. B: I said, “Do you

want me to help you?” | A: If you’re sure you’re not in a hurry, I can use a lttle help. | B: Would you like me to get you a cab?

2.A: I beg your pardon? B: I said, “Do you need any help?”
A: That’s very nice of you. I guess I could use some help.
B: Just tell me what you’d like me to do.

3.A: What was that? B: I said, “Is there anything I can do?”
A: If it’s not too much trouble, I would like some help.
B: It’s no trouble at all. I’ll carry this suitcase for you.
4.A: Excuse me? I didn’t hear what you said. B: I asked you if you

wanted some help. | A: If you wouldn’t mind, I could use a hand. | B: I’ll get this bag for you.

(7).Asking Favors □□

When you ask for things, it is important to be polite. The intonation that you use in making your request is as important as what you actually say. When you think someone will refuse your request, you can ask the question in such a way that the refusal does not cause embarrassment.

1. A: Is there any chance of my borrowing your type-writer? B: For how

long? | A: Until the end of the week. | B: Yes, I guess that would be all right.

2. A: Would you mind if I borrowed your car? B: Well, when exactly?
A: Until Monday or Tuesday of next week.
B: I’m sorry, but it’s just not possible.
3. A: Do you think you could lend me some of your records? B: Until

when? | A: Oh, just over the holidays. | B: I’m not sure. I’ll have to think about it.

4. A: I was wondering if you’d let me stay with you for a few days. B:

It really depends on when. | A: Until next weekend, if that’s OK. | B: Let me think it over, and I’ll let you know later.

(8).Giving Compliments □□

Friends often compliment one another on clothes, especially if the clothes are new.

1.A: What a beautiful sweater! B: Do you think it looks good on me? A:

Yes, and it goes beautifully with your pants. | B: You won’t believe it, but it was really cheap. | A: I wish I could find one just like it.

2.A: I like your new coat. B: Do you think it fits OK? A: Yes. It

looks terrific! | B: I bought it at half price. | A: You were lucky to find it.

3.A: That’s a very nice jacket. B: Does it really look OK? A: Yes, and

I like the color too. It matches your hat. | B: And I got it on sale. | A: That’s incredible!

4.A: I love that shirt. B: Do you really like it? A: Yes, it fits

perfectly. | B: It wasn’t very expensive either. | A: That’s amazing! It sure looks expensive.

(9).Apologizing □□

Sometimes it is necessary to tell someone bad news gently.

1.A: I’m afraid I spilled coffee on the tablecloth. B: Oh, don’t worry

about it. | A: I want to apologize. Is there anything I can do? | B: Just forget about it. I never did like it anyway.

2.A: I’m really sorry, but I seem to have misplaced your scarf. B: Oh,

that’s all right. | A: I’m very sorry. Can I get you another one? | B: No. Forget about it. It’s not important.

3.A: I’m sorry, but I can’t find the book you lent me. B: That’s OK.
A: I really feel bad about it. Let me buy you a new one.
B: No. Don’t be silly. I wouldn’t dream of letting you do that.
4.A: I feel terrible, but I’ve just broken your ashtray. B: It’s

nothing to get upset about. | A: I don’t know what to say. I’d like to replace it. | B: No. It’s out of the question.

(10).Complaining □□

It’s a good idea to be as polite as possible even when complaining about something.

1.A: I wish you wouldn’t play the TV so loud. B: Sorry. Where you

trying to sleep? | A: Yes, And while I think of it, please ask when you want to borrow my records. | B: I’m sorry. You’re right. I should have asked.

2.A: Do you think you could keep the noise down? B: I’m sorry. Am I

keeping you awake? | A: Yes. And another thing, would you mind not making long distance calls. | B: I’m sorry. I thought you wouldn’t mind.

3.A: That radio’s pretty loud. Could you turn it down, please? B:

Sorry. Was I disturbing you? | A: Yes. And something else, please don’t borrow my clothes without asking. | B: Sorry. I guess I wasn’t thinking. I won’t do it again.

4.A: You don’t have to play that record so loud, do you? B: I’m sorry.

Has it been bothering you? | A: Yes. And please ask me the next time you want to use something. | B: I’m sorry. I meant to ask you.

(11).The weather □□

A very common way to start a conversation is to talk about the weather. When you’re traveling, remember that there is considerable variation in climate in the United States.

1.A: Beautiful day, isn’t it? B: Yes, it’s not like what the radio

said at all. | A: I wish it would stay this way for the weekend. | B: As long as it doesn’t snow!

2.A: It seems to be clearing up. B: It’s such a nice change.
A: I really don’t think this weather will last.
B: Let’s just hope it doesn’t get cold again.
3.A: It looks it’s going to be sunny. B: Yes, it’s much better than

yesterday. | A: They say we’re going to get some rain later. | B: Oh, let’s just hope it stays warm.

4.A: I think it’s going to be a nice day. B: It’s certainly a big

improvement over yesterday. | A: But it’s supposed to get cloudy and windy again this afternoon. | B: Well,the worst of the winter should be over.

(12).Asking for Change □□□

It is sometimes difficult toget change without buying something, so it’s a good idea to carry change with you at all times. If you need change, you can buy something inexpensive like candy or a newspaper and ask for the coins you need.

1.A: Excuse me, but could you give me some change? B: Let me see. Are

dimes and quarters OK? | A: I want to make a long distance phone call. | B: Then you’ll need small change.

2.A: Sorry to bother you, but do you have change for a one? B: I’ll

have to look. What do you want it for? | A: I need it for the parking meter. | B: I can give you quarters, if that’ll help.

3.A: Pardon me, but I was wondering if you could break a one. B: Let

me look. What do you need? | A: I need the change for the stamp machine. | B: I think dimes and quarters will do.

4.A: Excuse me, could you give me change for a dollar? B: I’ll see

what I have. What do you need it for? | A: I want to get cigarettes. | B: You can use quarters, dimes and nickels.

(13).Making a Telephone Call □□□(1)

The telephone system in the United States, as in many other countries,

has a special number for each region of the country. It is called as “area code”. If you know the area code and the phone number, it’s usually cheaper to dial the number yourself. Of course, you must go through an operator to make person-to-person or cllect calls. You can dial direct to many countries | overseas or you can ask for the overseas operator.

1.A:Operator. B:I’d like to make a collect call to Los Angeles. That’s

area code 213-486-2435. | A:And what’s the name of the person you want to speak to? | B:Susan Greene.

2.A:Operator. B:Yes, Operator. I’d like to place a person-to-person

call to Chicago. The number is 932-8647, but I don’t know the area code. | A:Who do you want to speak to? | B:I’ll speak to anyone at extension 214.

3.A:Operator. B:I want to make a person-to-person call to

212-836-1725. | A:And the name of the person you’re calling, please? | B:Ed Cooper. That’s C double O-P-E-R.

4.A:Operator. B:Operator, I’d like to place a call to Winnipeg,

Cananda. The number is 932-0806. | A:What’s the name of the party you’re calling? | B:I’m not sure of the name, but the extension is 211.

(14).Making a Telephone Call □□□(2)

When using a public telephone, be sure to read the directions carefully before dialing.

1.A:Hello. Can I speak to Yolanda, please? B:Hold on, please. A:Thank

you. B:Sorry, but she’s out. | A:Would you tell her Tom Gray called? | B:I’d be glad to.

2.A:Hello. Is Marie Ward there, please? B:I’ll see if she’s in. A:OK.

B:I’m afraid she’s not here. | A:Could you give her a message, please? | B:Yes, of course.

3.A:Hello. Is Mrs. James in, please? B:Hang on, please. A:All right.

B:I’m sorry, but I think she’s stepped out. | A:Would you ask her to call Larry Ruskin at 836-2550? | B:Certainly.

4.A:Hello. Could I please speak to Miss Davis? B:Just a minute,

please. A:Thanks. B:She’s not at here desk right now. | A:Could you tell her to give Doug a call when she gets back? She has my number. | B:Sure.

(15).Asking for Directions □□

People are usually helpful when you ask for directions. You should try to have the exact address and be as specific as possible. Telephone directories are the most common sourse of addresses. Remember that many cities and some towns are built in “blocks”. People will often tell you, for example, to “go two blocks and turn right.”

1.A:Excuse me, Can you tell me where Main Street is? B:Turn left at

the second light and then go straight for two blocks. A:Is it far? B:No. It’s only a five-minute walk. | A:Thanks a lot. | B:You’re welcome.

2.A:Excuse me. Could you please tell me how to get to the station?

B:Turn left at the first light. You can’t miss it. A:Will it take me long to get there? B:No. It’s not far at all. | A:Thank you. | B:Don’t mention it.

3.A:Can you help me out? I’m trying to find a post office. B:Go three

block and make a right. It’s right there. A:Should I take the bus? B:No. It’ll only take about five minutes to walk. | A:Thank you very much. | B:Any time.

4.A:Pardon me. I wonder if you could tell me how to get to Mott

Street? B:Keep going straight for two blocks, then turn right o Elm Street and you’ll run right into it. A:Is it too far to walk? B:Nl. It’s only a little ways. | A:Thanks. | B:Sure. Have a good day.

(16).Making an Appointment □□

It is usually necessary to make an appointment with a doctor, dentist or lawyer. You should call as far in advance as possible.

1.A: Would Dr. Block be able to see me at 9:30 tomorrow? B: I’m sorry,

but she won’t have any openings until 11:00, unless there’s a cancellation. | A: Would 1:00 be convenient? | B: Yes, she’s free then.

2.A: I wonder if the dentist could fit me in early tomorrow? B: I’m

afraid there’s nothing availavle before noon. | A: How about 12:45? | B: Sorry, but she’s busy then too.

3.A: I’d like to make an appointment with Professor Smith. Would 9:00

tomorrow be all right? B: I’m afraid not. She doesn’t have any openings in the morning. A: Could I possibly make it early in the afternoon? | B: NoI That’s not good either. But give me your number and I’ll call you if somebody | cancels.

4.A: Do you think the doctor could see me tomorrow before 9:30? B: She

won’t be in until 10:45, so the earliest would be 11:00. | A: How would 12:45 be? | B: Just a second. I’ll have to check.

(17).On a Bus □□□□□□

In cities, buses have letters or numbers indicating their routes. Usually the exact fare is required because you can’t get change on a bus. Long-distance travel by bus is common throughout the United States and Cannda. It is an inexpensive, scenic way to travel. Special tickets for unlimited travel are sometimes offered by the larger bus companies.

1.A: Does this bus go to the train station? B: No, You’ll have to get

off at the bank and take the A52. | A: How long is the ride? | B: About ten minutes.

2.A: Is this the bus for Park Ridge? B: No. It only goes as far as

Main Street, but you can get the Number 31 there. | A: How long does it take to get there? | B: It only takes a few minutes.

3.A: Does this bus go to the beach? B: No. You're going the wrong way.

You want the Number11. It stops in front of the post office. | A: About how long does it take? | B: Only fifteen minutes.

4.A□Is this the right bus for Pacific Boulevard? B: No. You should

have taken the Yellow Line bus. You can get one at the next stop. | A: Is it long ride? | B: Not that long.

(18).Taking a Texi □□□□□

Taxi fares vary from city to city. In some cities, taxis have meters that tell you the fare. For long rides, it is a good idea to ask in advance what the approximate fare will be. This is especially true if you're taking a taxi from an airport. You should tip taxi drivers about 15% of the total fare.

1.A: Kennedy Airport, please. I have to be there by 7:00. B: I can't

promise anything, but I'll do my best. | B: OK. That'll be $12.00, please. | A: Thanks a lot. Here.

2.A: Do you think you can get me to Union station by quarter after? B:

We shoudn’t have any trouble if the traffic isn’t too heavy. | B: You’ve got plenty of time. That’s $7.65, please. | A: Thank you very much. Here’s $10.00. Give me $1.00 back, please.

3.A: The Hilton Hotel, please. I have a 10.30 appointment. B: You’ll

be there in plenty of time. | B: Here we are. $8.50, please. | A: Thank you. Here’s $10.00. keep the change.

4.A: Grand Central Station, please. I want to try to catch a 6:00

train. B: I think you’ll make it if we don’t get stuck in a traffic jam. | B: This is it. That’s $9.15, please. | A: Here.

(19).At a Railroad Station □□□□

Long-distance travel by train is not as common in the United Stated as it many other parts of the world. Most train travel is in the “Northeast Corridor” linking Boston, New York, Philadelphia, Baltimore and Washington, D.C. Special express trains called “Metroliners” travel between New York and Washington, D.C. All seats on these trains are reserved in both coach(2nd class) and club car(1st class). Long-distance trains also serve major cities such as Atlanta, Miami, New Orleans, Chicago, Los Angeles, San Francisco and Seattle. Sleeping compartments are available on most long-distance trains and must be reserved in advance. Most trains are operated by AMTRAK, the national railroad corporation.

1.A:What time does the train for Boston leave? B:9:25 on Track 12.

A:When does it arrive? B:It should be there at 11:45, but it may be a little late. | A:How much is a one-way ticket. | B:It’s $32.00 coach and $50.00 club car.

2.A:Which train do I take to Philadelphia? B:Track 4 at 9:30. A:How

long does it take? B:It’s due in at noon. | A:What’s the round-trip fare? | B:It’s $25.00 one way or $45.00 for a weekend excursion.

3.A:What track does the Metroliner leave from? B:That’s Track 1 at

9:45. A:What time does it get in? B:It gets in around 11:45. | A:What’s the fare? | B:Coach is $32.00.

4.A:What time’s the next train to Washington? B:That’s 9:26 on Track

16. A:When does it get there? B:It’s scheduled to arrive at 11:50. | A:How much is it? | B:It’s $30.00 one way or $55.00 round trip.

(20).The New York City Subway □□□□□□

There are subway systems in several cities in the US. New York City has an extensive and rather complicated rapid transit system. Each train is designated by a letter or a number, but most New Yorkers refer to them by such names as the Broadway Local and the 6th Avenue Express. It is important to remember that both local and express trains operate on some lines. You must have a token or, in some cases, the exact change to get on the platforms. Subway maps are available at most token booths.

1.A: Which train do I take to Columbus Circle, please? B: Take the

uptown A train and get off at the next station. | A: And where do I get the train? | B: Just go down those steps.

2.A: How do I get to Rockefeller Center? B: Take the RR to 34th

Street, then change to the D train and go two stops. | A: Which platform is it on? | B: Go down the stairs over there.

3.A: Which line do I take for Greenwich Village? B: You can take the

D, the F or the A. Just make sure you’re going downtown. | A: How do I get down to the trains? | B: Take the escalator and then go to the right.

4.A: Can you tell me the best way to get to Wall Street? B: You want

the 7th Avenue Express, the Number 2. | A: Which way should I go? | B: Go straight down those stairs and follow the signs.

(21).Making Airline Reservations □□□□□

You can go to a travel agency or talk directly to the airlines to make air travel arrangements. Remember that some cities have more than one airport. Be sure you know which airport and terminal your flight leaves from.

1.A: I want to fly to Chicago on Thursday, the 1st. B: Let me see

what’s available. A: I want to go coach, and I’d prefer a morning flight. B: United’s Flight 102 leaves at 9:20. | A: That’s fine. What time do I have to be at the airport? | B: Check-in time is 8:45.

2.A: I’d like to make a reserbation to Los Angeles for next Monday. B:

Just a second and I’ll check the schedule. A: I’ll need an economy ticket with an open return. B: TWA has a fight leaving at 9:25. | A: I guess that’s OK. What time should I check in? | B: You have to be there half an hour before departure time.

3.A: What flights do you have from New York to London tomorrow? B: One

moment, please, and I’ll find out what’s available. A: I’d like to travel first-class. B: OK. We have a nonstop flight leaving Kennedy at 9:25. | A: When should I get to the airport? | B: Please be there by 8:45 at the latest.

4.A: Do you fly to Dallas on Sunday? B: Just a minute and I’ll see if

there are any flights. A: By the way, I don’t want a night flight. B: There’s a DC-10 out of LaGuardia Airport at 9:15. | A: When am I supposed to check in? | B: Try to be there by 8:15-the airport will be crowded.

(22).Renting a Car □□□

It is possible to use a foreign license when driving in the United States, but it is a good idea to have an international driver’s license. It you do not have an internationally recognized credit card, a large deposit is usually required to

rent a car. Each state has its own driving requlations, so pay close attention to road signs.

1.A: How much is it to rent an economy car? B: $19.00 a day or $129.00

a week, unlimited mileage. A: Could I have one for tomorrow morning? B: Do you have your driver's license? | A: Sure. Here it is. | B: Good. Now just complete this form.

2.A: What's the rate for a station wagon? B: The daily rate is $32.00

plus 39 Cents per mile. A: Good. I'll take it right now, if possible. B: Can I see your license, please? | A: Of course. I have my own license and an international license. | B: That's fine. Fill out this form and let me see your credit card, please.

3.A: How much does it cost to tent a mid-zine car? B: I can give you

one for $24.00 a day or $158.00 a week. A: Fine. I'd like to reserve one for next Tuesday. B: May I see your driver's license? | A: Yes. It's right here. | B: OK. You'll have to use a credit card or leave a $100 deposit.

4.A: If I wanted to rent a van, how much would it cost? B: Let's see.

That would be $40.00 a day plus 38 Cents a mile. A: That sounds OK. I'll need it from the 10th to the 14th. B: Do you have a valid license? | A: Yeah. Here. | B: Fine. Now complete this form and sign your name at the bottom.

(23).At a Gas Station [illegible]

When you buy gas, you should tell the attendant whether you want unleaded, regular or premium gas. You can either ask for a special amount, such as ten dollar's worth, or you can ask the attendant to "fill it up". If the attendant fills it up, he or she will then tell you how much it comes to.

1.A: Fill it up with unleaded and check the oil, please. B: Do you

want me to check the tires? | A: No, that's all for now. What does it come to? | B: $10.00.

2.A: Fill it up with regular, please. B: All right. Should I take a

look at your battery? | A: No, thanks. I'm in a hurry. How much is it? | B: $10.00, please.

3.A: Fill it up with premium, please. B: Sure. Should I check your

radiator? | A: No, that's OK. How much do I owe you? | B: That's be $10.00.

4.A: Fill it up, please. B: Fine. Do you want your windshield cleaned?
A: No, thank you. I don't have time. How much is that?
B: It comes to $10.00.

(24).On the Highway □□□□

The interstate highway system makes long-distance travel by car fast and convenient. Interstate highways are clearly marked with numbers: odd numbers mark north and south routes and even numbers mark east and west routes. Such toll roads as turnpikes, thruways and parkways are part of the interstate system. The speed limit on all highways is 55

miles per hour unless otherwise posted. Remember that 1 mile=1.6 kilometers.

1.A: We’d better stop and rest pretty soon. B: OK. I’ll look at the

map to see exactly where we are. | A: Do you think we’ll have any trouble finding a room for the night? | B: I’m sure it’ll be easy to find a place.

2.A: We have to watch for Interstate 87? B: Right! We still have a

ways to go, though. | A: How about staying at a hotel in a city tonight? | B: It might be hard to find a good place to stay this late.

3.A: Let’s stop soon. We’ve driven enough for one day. B: All right,

but we still have a little farther to to. | A: I think we should try to find a reasonable motel tonight. | B: That shouldn’t be hard to do.

4.A: Shouldn’t we start looking for a place to stay? B: OK. Why don’t

you check the map to see where we are. | A: I hope we can find a cheap place to spend the night, don’t you? | B: I don’t think we’ll have any trouble.

(25).At a Hotel □□□

Hotel and motel rates vary considerably. In major cities and resort areas, it is advisable to have reservations.

1.A: Do you have any vacancies? B: Yes, we have a nice room on the

fourth floor. A: How much is it? B: $45.00 a night, plus t ax. | A: Can I see it, please? | B: Certainly. Would you come with me?

2.A: Do you have a single room for two nights? B: We only have a small

suite. A: What’s the rate? B: $50.00 a night, including breakfast. | A: Fine. Could you show it to me, please? | B: Of course. Just follow me.

3.A: Can I reserve a double room for next week? B: You can have a room

facing the ocean. A: How much would it be? B: $55.00, including tax. | A: Could I have a look at the room? | B: Sure. Come this way, please.

4.A: Do you have a double room with twin beds? B: I can let you have a

room in the new wing. A: What’s the daily rate? B: $60.00 a night. | A: Could you show me something less expensive? | B: Yes, of course. Right this way, please.

(26).Finding a Room □□□

In smaller cities and towns, it’s usually quite easy to find a room to rent. This is especially true in towns where universities or college are located.

1.A: Do you take in students? B: Yes. If you don’t mind sharing room,

there’s one available. A: How much is it? B: $30.00 a week. | A: Do you think I could have a look at it, please? | B: I’m on my way out now. Couldyou come back in an hour?

2.A: I’ve been told you might have a vacant room. B: Yes. I have a

spare room. A: How much are you asking? B: $10.00 a night. | A: Could I see the room, please? | B: Sure. Come on in.

3.A: A friend told em I might find a room here. B: Yes. I’ll have a

room free next week. A: What do you charge? B: $25.00 a week, but you can’t have visitors. | A: Fine. Would It be OK to look at the room? | B: Could you come back later? We’re right in the middle of dinner.

4.A: I wonder if you can help me. I’m looking for a room. B: Yes. I’ve

got a small room. A: How much do you charge? B: $35.00 a week, but don’t allow smoking. | A: OK. Can I see the room now? | B: Would you mind waiting? I’m on the telephone.

(27).At a Bank □□□

Banking hours are usually from 9:00 to 3:00, Monday to Friday. Sometimes you can’t get service in a bank unless you have an account there.

1.A: I’d like to change these pesos, please. B: How do you want them?

A: It doesn’t make any difference. | B: Did you want anything else? | A: Yes, I’d like to open an account.

2.A: Would you cash these travelers checks, please? B: How would you

like them? A: In ten dollar bill, please. | B: Is there anything else? | A: Yes, I’d like to know how to send money to France.

3.A: Could I change these pounds for dollars, please? B: Do you want

small bills or large? A: It doesn’t matter. | B: Do you want anything else? | A: Yes, I’d like to know the exchange rate for yen.

4.A: Could you change these for me, please? B: What would you like? A:

Twenties and some smaller bills, please. | B: Anything else? | A: Yes. Could you tell me my balance? Here’s my account number.

(28).In a Post Office □□□

Every mailing address in the United States has a “ZIP code” which should be used whenever possible. Post offices are generally open from 8:30 to 5:00 from Monday to Friday and until noon on Saturday.

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1.A: How much is an airmail letter to Japan? B: I’ll have to check.

Can I help you with anything else? | A: I’d like a 20 cent stamp, please. | B: There you are.

2.A: Could you tell me how much it would cost to send this to France

by regular mail? B: I’ll look it up. Is there anything else? | A: Yes. I’d like five airmail stamps. | B: Here you are.

3.A: How much would a post card to Brazil be? B: Let me check for you.

Do you need anything else? | A: Yes. I’d like a book of 20 cent stamps, please. | B: Here you are.

4.A: How much more would it cost ot send this special delivery? B:

Just a second. I’ll have to check that? Anything else I can do for you? | A: Yes. I’d like to send a $20.00 money order. | B: There you go.

(29).Getting a Haircut □□

Many barber shops or hair stylists now cut both men’s and women’s

hair. Prices vary considerably and it’s sometimes necessary to make an appointment. | □□□□□□□□□□□□□□□□□□□□□□. □□□□□□□□□,□□□□□□□□□□□.

1.A: How do you want it? B: Cut it short all over.
A: Would you like it washed?
B: No, thank you. It’s OK.
2.A: How would you like it? B: Trim the back, but leave it long on the

sides, please. | A: Do you want a shampoo? | B: No, thanks.

3.A: How would you like me to cut it? B: Just a trim, please.

A: Do you want it thinned?
B: No, I don’t think so, thanks.
4.A: What do you want me to do? B: Not too much off, please.
A: Do you want a conditioner?
B: No, that’s fine, thanks.

(30).Shopping [illegible]

Clothing sizes are measured differently in the United States from the

way they’re measured in countries where the metric system is used. | [illegible].

1.A: Are you being helped? B: No. What do you have in brown suede

jackets, size 40? A: The closest I have is a 38. | B: Do you think you’ll be getting any more in? | A: No, but they might have them at our other store.

2.A: Is anybody waiting on you? B: No. I’m trying to find a green

sweater in extra large. B: We have your size, but not in that color. | A: Can you order one for me? | B: Certainly. Just give me your name and address.

3.A: Is somebody taking care of you? B: No. I’d like a long-sleeved

shirt in yellow, medium. A: I think we’re out of your size. | B: Well, can you get me one? | A: I think so. Check back next week.

4.A: Is anyone helping you? B: No. I’m looking for a navy blue

raincoat, size 36. A: I’m afraid we don’t have any left. | B: Will you be getting more in? | A: Yes. Try us again next Monday.

(31).Planning an Evening Out (1) □□□□□□□□□

In the United States girls and boys usually begin to go out on “dates”

when they are 14 or 15. Typical dates include going to the movies, going dancing or going to a party. | □□□□□□□□□□□□□,□□□□□□□□□. □□□□□□□□□□,□□□□□□□□□.

1.A: How would you like to go to a movie tonight? B: Thanks for

asking, but I don’t think so. | A: Then what about trying that new Chinese restaurant? | B: No. I’d rather stay home and watch TV.

2.A: How about going to see Maria tonight? B: Not tonight. Maybe

another time. | A: Come on! It would do you good to get out. | B: No. I want to get to bed early tonight.

3.A: Let’s go roller-skating. B: I really don’t feel like it tonight.
A: Well, would you like to do anything?
B: No. If you don’t mind, I’m just going to stay home tonight.
4.A: Why don’t we go dancing? B: No. I’m really not in the mood.
A: Then why don’t we just go out and get something to eat?
B: No. I want to stay home tonight for a change.

(32).Planning an Evening Out (2) [illegible]

It’s OK to make plans with friends at the last minute. It’s more

polite, however, to make them ahead of time. | [illegible],[illegible].

1.A: How about going to hear a country-and-western singer tonight? B:

I’d enjoyed that. | A: I’ pick you up around 8:00. | B: OK. I’ll see you then.

2.A: Do you feel like going to see Paul and Claire tonight? B: I’d

like that very much. | A: How does 7:30 sound? | B: Fine. See you late.

3.A: Would you like to go to a party tonight? B: That sounds like a

good idea? | A: Would 7:00 be OK? | B: That’s fine. I’m looking forward to it.

4.A: Why don’t you have dinner with me tonight? B: I’d love to.
A: Let’s say about 6:00?
B: That’s OK with me.

(33).Buying Theater Tickets [illegible]

Going to the theater is very popuar and shows are often sold out far

in advance. It is a good idea to buy your tickets in advance if you want to see a particular show. It is not necessary to

tip the person who shows you to your seat in a theater. | □□□ □□□□,□□□□□□□□□□□□□□□. □□□□□□□□□□,□□□□□□□. □□□□□□□□□□□□ □□.

1.A: I’d like to reserve two seats for tomorrow night. B: Would you

like orchestra seats? | A: Isn’t there anything less expensive? | B: Not unless you want the matinee.

2.A: Can I still get tickets for tonight’s performance? B: The front

balcony is still availavle. | A: Aren’t there any other seats? | B: No, I’m afraid that’s it.

3.A: Are there any seats left for Saturday night? B: I still have a

fiw seats in the mezzanine. | A: I suppose there’s nothing cheaper, is there? | B: No. Nothing. I’m sorry.

4.A: Is there anything available for tonight? B: There are some seats

in the rear mezzanine. | A: Isn’t there anything else available? | B: No, the show is almost sold out.

(34).Watching Television □□□

There are three nationwide television networks in the United States:

the American Broadcasting Company(ABC), the Columbia Broadcasting Company(CBS) and the National Broadcasting Company(NBC). There is also a public broadcasting network(PBS), and there are hundreds of local television

stations. In many areas television is broadcast 24 hours a day. | □□□□□□□□□□□□□□□□□ABC), □□□□□□□CBS)□□□□□□NBC).□□□□□□□□PBS)□□□□□□□□□□□□□□□□□□□□□□

1.A: Is there anything worth watching on another channel? B: I think

there’s a western on. | A: Do you mind if we watch it? I’d really like to see it. | B: Well, I really wanted to see the baseball game.

2.A: Do you happen to know what’s on after the news? B: I’ve got a

feeling there’s a documentary about animals. | A: Does anybody mind if we watch it? | B: Don’t you want to see part two of the movie?

3.A: Do you remember what comes on next? B: I believe there’s a TV

special. | A: Are you interested in watching it? | B: Let me look in the TV Guide first.

4.A: What’s on Channerl 2 at 8:00? B: If I remember correctly, there’s

a quiz show. | A: Do you want to watch it? | B: Let’s see what else is on first.

(35).Sports □□

Both team sports and individual sports are extremely popular in the

United States. Don’t be afraid to try a sport you haven’t played before. People are usually willing to help beginners. | [illegible]

1.A: Would you like to go running? B: I’d enjoy that. Where would you

like to go? | A: We could go to the park. There shouldn’t be many people there now. | B: Good. Just let me change.

2.A: How about going for a bike ride? B: Sure. Where?
A: Let’s call Harry and ask him. He always knows the best places to

go. | B: That’s a good idea. I’ll get ready.

3.A: Let’s go swimming. B: OK. Where should we go?
A: Why don’t we go down to the lake? It’s not too far from here.
B: Fine. I’ll be ready in a minute.
4.A: How about going hiking with us? B: Sounds good to me. Where do

you want to go? | A: Let’s go up to the mountains. It should be beautiful there. | B: OK. Just give me a few minutes to get ready.

(36).At Breakfast [illegible]

Coffee shops are popular, reasonably priced restaurants for breakfast,

lunch, dinner or just a snack. | [illegible]

1.A: You’re having coffee, aren’t you? B: Yes, I always have coffee in

the morning. A: What are you going to have to eat? | B: I’m going to order scrambled eggs and toast. What about you? | A: That sounds good to me. I’ll have the same.

2.A: You’d like coffee, wouldn’t you? B: I think I’d rather have tea

this morning. A: What else are you going to have? | B: Just an English muffin. What are you going to have? | A: That sounds good. I’m going to order the same thing.

3.A: You’re going to have coffee, aren’t you? B: Yes. I could use a

cup of coffee. A: Are you going to have anything to eat? | B: French toast sounds good. What are you going to order? | A: I’ll have that too.

4.A: A cup of coffee sounds good, doesn’t it? B: Yes, but I think I’ll

have orange juice first. A: Do you feel like having anything to eat? | B: Well, I think I’ll try the pancakes. How about you? | A: Sounds great. That’s just what I feel like having.

(37).At Lunch □□□

Lunch is usually served between noon and 2:00. Sandwiches are a very

popular quick lunch in both the United States and Canada. | □□□□□□□□□□□□□□□□ □□□□□□□□□ □□□□□□□□□□□□□□□□□

1.A: Please have another sandwich. B: Thank you, but I really can’t

eat any more. | A: You’re going to have dessert, aren’t you? | B: Well, I’ll join you if you’re having something.

2.A: You’ll finish the chicken, won’t you? B: No, thank you. I’m

trying to cut down. | A: Aren’t you going to have dessert? | B: No, thank you. I just can’t eat any more.

3.A: Would you like some more soup? B: No, thank you. It’s delicious,

but I’ve had enough. | A: Would you like soem dessert? | B: Well, maybe I’ll have just a small piece of pie.

4.A: Can’t you eat the rest of the salad? B: No, thanks. I’m supposed

to be on a diet. | A: Why don’t we have something for dessert? | B: I really shouldn’t, but I’ll have a little ice cream.

(38).At Dinner □□□

Dinner time varies somewhat in the United States. In small towns it

may be as early as 5:00, while in large cities it may be as late as 9:00. It’s best to call for a reservation in expensive or well-known restaurants. | □□

1.A: Would you like to order now? B: Yes. I’ll have the shrimp

cocktail to start. | A: What would you like for your main course? | B: I’ll have a sirloin steak, medium rare.

2.A: May I take your order? B: Yes. I’d like a cup of onion soup.
A: And what would you like after that?
B: I’d like the roast chicken, please.
3.A: Are you ready to order? B: Yes. I’ll have the fresh fruit

cocktail. | A: And for your entree? | B: I think I’ll try the broiled sole.

4.A: Have you decided what you’d like? B: Yes. First I’ll have tomato

juice. | A: And then? | B: I’ll have the lamb chops, well-done, please.

(39).At Fast Food Restaurant [illegible]

Fast food restaurants are popular in the United States for quick,

inexpensive meals or snacks. You order your food and take it to a table yourself. If you order your food “to go”, you take it out of the restaurant. Tipping is not necessary in this kind of restaurant. | [illegible] [illegible] [illegible] [illegible]”[illegible]”[illegible]

1.A: What would you like to eat? B: I’d like a hamburger with lettuce

and tomato. A: How about something to drink? | B: A Coke, please. | A: OK. I’ll see if I can get waited on.

2.A: What do you want? B: I think I’ll have a piece of apple pie. A:

Do you want something to drink? | B: Coffee would be fine. | A: OK. Sit down and I’ll get it.

3.A: What are you going to have? B: I'll try a steak sandwich. A: Can

I get you anything to drink? | B: Yes, I'd like a chocolate shake. | A: That sounds good. I think I'll have the same.

4.A: What can I get you? B: A cheeseburger and an order of french

fries would be great. A: Would you like anything to drink? | B: I feel like having a Coke. | A: That's a good idea. I think I'll join you.

(40).At a Cocktail Party [illegible]

Cocktail parties are popular for both business and social functiongs.

They may be casual or formal and are often held between 6:00 and 8:00 in the evening. Drinks and hors d'oeuvres or snacks are usually served. | [illegible]

1.A: Come in. It's nice to see you again. B: It's nice to be here.
A: Would you care for a drink?
B: Just a club soda for me[illegible]please.
2.A: Hi! I'm happy you could make it. B: Well, I've been looking

forward to seeing you. | A: What can I get you? | B: I'd love a gin and tonic.

3.A: Good evening, I'm so happy you could come. B: Thank you for

inviting me. | A: What would you like to drink? | B: A glass of white wine would be fine, thank you.

4.A: Hello. It’s a pleasure to see you again. B: Thank you. I’ve been

looking forward to your party. | A: You’ll have a drink, won’t you? | A: I think I’ll have a beer, if you have any.

(41).Asking About Health □□□□

People often ask about health out of politeness. This is a very common

way to begin a conversation. | □□□□□□□□□□□□□□□□□□□□

1.A: How’s your father been? B: He’s been out of work for a couple of

days. A: What’s wrong with him? B: He has a bad cold. | A: Well, tell him to take it easy and that I hope he feels better. | B: Thanks. I’ll tell him.

2.A: Where’s Tony this evening? B: He’s a little under the weather. A:

Really! What’s the matter with him? B: He has the flu. | A: Tell him I was asking about him. | B: I will.

3.A: How’s your brother doing? B: As a matter of fact, he hasn’t been

feeling too well. A: I’m sorry to hear that. What’s the matter? B: He has a slight fever. | A: Tell him I hope he’s better soon. | B: I’ll tell him. Thanks for asking about him.

4.A: I haven’t seen Bob lately. How is he? B: He’s still pretty sick.

A: That’s too bad. What does he have? B: We don’t know, but he’s going to the doctor tomorrow. | A: Let me know if there’s anything I can do. | B: Thanks a lot. I’ll tell him.

(42).At the Doctor’s Office [illegible]

It’s usually best to go to a doctor that someones has recommended. In

an emergency, you should go directly to the emergency entrance of the nearest hospital. Medical services in the United States are generally very expensive. | [illegible]

1.A: I have a sore throat and my chest hurts. B: How long have you

been like this? A: Two or three days now. B: I think you’ve got the flu. There’s a lot of it going around. | A: What do you think I ought to do? | B: Get this prescription filled and go straight to bed.

2.A: I have the chills and an upset stomach. B: How long have you felt

like this? A: For most of the week. B: It sounds as if you have a virus. | A: What do you think I should do? | B: I’ll give you something. I want you to take it easy and come back in a couple of days.

3.A: I feel dizzy and I have a headache. B: How long have you been

sick? A: Since yesterday. B: You seem to be generally run-down. | A: What can I do? | B: It’s nothing serious, but you’d better stay in bed for a day or two.

4.A: I’ve got a temperature and my stomach hurts. B: How long have you

been feeling this way? A: It all started the day before yesterday. B: You seem to have picked up some kind of infection. | A: What should I do? | B: Take a few days off from work and don’t wear yourself out.

(43).At the Dentist’s Office □□□□□

Dental work is usually quite expensive. Appointments are usually made

far in advance, but many dentists will try to fit you if you have an urgent problem. | □□□□□□□□□□□□□□□□□□□□□□□□ □□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□

1.A: How long have you felt like this? B: It started bothering me

yesterday afternoon. A: I think I’d better take an X-ray. | B: Can you see anything? | A: It’s a small cavity. It should be easy to fill.

2.A: When did your toothache start? B: It’s been this way for a few

days. A: Let me take a look at it. | B: What do you think? | A: You’re got an abscess. I don’t think we can save the tooth.

3.A: How long has it hurt? B: The pain started last night. A: Well,

let’s have a look. | B: What are you going to have to do? | A: Your gums seem to be inflamed. You’ll need treatment.

4.A: How long have you been in pain? B: It started to hurt when I was

eating dinner. A: Open your mouth as wide as you can, please. | B: How bad is it? | A: It’s quite serious. I’m afraid we’ll have to pull the tooth.

(44).At a Drugstore

If you are talking medication regularly, you should take what you need

with you when you travel. You should also bring a copy of any prescription that you are taking since many drugs are only available by prescription. Drugstores, or pharmacies, sell cosmetics and toiletries as well as many other products. |

1.A: I’d like to have this prescription filled. B: It’ll only take a

few minutes if you want to wait. | A: Have you got something for chapped lips? | B: Rub this cream on every four hours.

2.A: Could you fill htis prescription for me, please? B: I’ll take

care of it right away. | A: By the way, what do you suggest for insect bites? | B: This ointment should help.

3.A: I need to have this prescription filled. B: You can pick it up in

about an hour. | A: Can you give me something for a rash? | B: Try this lotion. It’s supposed to be very good.

4.A: Can I leave this prescription with you? B: I’ll have it ready for

you by 5:30. | A: And I’d like something for a sunburn. | B: You might try this. It’s a new product.

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25:14 For it is as when a man, about to take a journey, got his

servants together, and gave them his property. 25:15 And to one he gave five talents, to another two, to another one; to everyone as he was able; and he went on his journey. 25:16 Straight away he who had been given the five talents went and did trade with them, and made five more. 25:17 In the same way he who had been given the two got two more. 25:18 But he who was given the one went away and put it in a hole in the earth, and kept his lord's money in a secret place. 25:19 Now after a long time the lord of those servants comes, and makes up his account with them. 25:20 And he who had the five talents came with his other five talents, saying, Lord, you gave into my care five talents: see, I have got five more. 25:21 His lord said to him, Well done, good and true servant: you have been true in a small thing, I will give you control over great things: take your part in the joy of your lord. 25:22 And he who had the two talents came and said, Lord, you gave into my care two talents: see, I have got two more. 25:23 His lord said to him, Well done, good and true servant: you have been true in a small thing, I will give you control over great things: take your part in the joy of your lord. 25:24 And he who had had the one talent came and said, Lord, I had knowledge that you are a hard man, getting in grain where you have not put seed, and making profits for which you have done no work: 25:25 And I was in fear, and went away, and put your talent in the earth: here is what is yours. 25:26 But his lord in answer said to him, You are a bad and unready servant; if you had knowledge that I get in grain where I did not put seed, and make profits for which I have done no work, 25:27 Why, then, did you not put my money in the bank, and at my coming I would have got back what is mine with interest? | 25:28 Take away, then, his talent and give it to him who has the ten talents. | 25:29 **For to everyone who has will be given, and he will**

have more: but from him who has not, even what he has will be taken away. | 25:30 And put out the servant who is of no profit into the outer dark: there will be weeping and cries of sorrow.

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The New Colossus

Not like the brazen giant of Greek fame, With conquering limbs astride

from land to land; Here at our sea-washed, sunset gates shall stand A mighty woman with a torch, whose flame Is the imprisoned lightning, and her name Mother of Exiles. From her beacon-hand | Glows world-wide welcome; her mild eyes command | The air-bridged harbor that twin cities frame.

“Keep ancient lands, your storied pomp!” cries she With silent lips.

“Give me your tired, your poor, Your huddled masses yearning to breathe free, The wretched refuse of your teeming shore. | Send these, the homeless, tempest-tost to me, | I lift my lamp beside the golden door!”

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3. [illegible]

[illegible](New Colossus)[illegible] (brazen giant)

Colossus[illegible]Herodotus[illegible]Herodotus[illegible]Colossus[illegible]Herodotus[illegible] | [illegible]

[illegible] brazen [illegible]

[illegible]

[illegible] (torch, flame, lightening,

beacon, lamp) [illegible]

[illegible]

Golden Gate,

[illegible] the golden age [illegible] Old lands [illegible]

[illegible]

[illegible] oxymoron [illegible]

[illegible]

[illegible]

[illegible] bbsland ([illegible])

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(EMMA LAZARUS)

The New Colossus

(1849–1887) … l 883 …

1886 … 1903 … 1924 …

l 945 …

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rise[illegible]
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□□□exempli gratia□□□□□□□”for example”□□□□□□□□id est□□□□□□□□”that is”□□□□

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1. The evaluation noted that the employee had frequently exhibited irresponsible behavior (i.e., coming to work late, failing to complete projects).

2. Writing instructors focus on a number of complex skills that require extensive practice (e.g., organization, clear expression, logical thinking, etc.)

3. The general rule is that if a number can be expressed in three words or fewer, it should be written out (e.g., two hundred seventy).

4. Use a comma to enclose (i.e., both before and after) the year in a month-day-year sequence.

□□4□□□□□□□□□□□□□□□□□

□□□□□□□□”e.g.”□□□□□”i.e.”□□□□□□□□□”irresponsible behavior “□□□□

□□□□□”e.g.”□□□□□□□□□□□□□□□”etc.”□□□”e.g.”□□□□□□□□□□□□□□□

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1. [illegible]

2. [illegible]

3. [illegible]two hundred seventy[illegible]

4. [illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]

[illegible]

* [illegible]

* [illegible]

* [illegible]e.g.[illegible]”example given”[illegible]i.e.[illegible]”in effect”[illegible]

[illegible]”for example”[illegible]”that is”[illegible]OK[illegible]:-)

[illegible]

1. Phone calls made to major cities within our three-state area (e.g., Raleigh, Atlanta, Greenville, etc.) are billed at the local rate.

2. The summary of the auditor’s report must specify which of the four types of findings was issued on the financial statements of the auditee (i.e., unqualified opinion, qualified opinion, adverse opinion, or disclaimer of opinion).

3. Personal electronic devices (i.e., cell phones, laptop computers) may not be used during the flight.

4. The president of the company is allowed certain privileges, including the use of the corporate jet and mountain retreat center, even when she is not engaged in company business (e.g., she may use them for vacations and other personal travel).

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[illegible]A Short History Of Nearly Everything[illegible]

> “[illegible]2003[illegible]5[illegible]2003[illegible]2004[illegible]2003[illegible]2004[illegible]6[illegible]——[illegible]Aventis[illegible]”[illegible]”[illegible]”[illegible]

[illegible]2005[illegible]

[illegible]

> “[illegible]”[illegible]5[illegible]2005[illegible]2[illegible]

[illegible]”[illegible]”[illegible]

[illegible]

> “All mine were written by men (it was always men) who held the interesting notion that everything became clear when expressed as a formula and the amusingly deluded belief that the children of America would appreciate having chapters end with a section of questions they could mull over in their own time.”

[illegible]

“[illegible]”

[illegible]

[illegible]

“So I grew up convinced that science was supremely dull, but suspecting that it needn’t be, and not really thinking about it at all if I could help it.”

[illegible]

“[illegible]”

[illegible]

“[illegible]”

[illegible]

[illegible]”half a million years”[illegible]3[illegible]”1.5[illegible]”[illegible]

[illegible]

“[illegible]100[illegible]100[illegible]60[illegible]—[illegible]—[illegible]20[illegible]1[illegible]”[illegible]6[illegible]

[illegible]”[illegible]1[illegible]”[illegible]

[illegible]

"If you think of peering into the depths of the universe as like looking down from the hundredth floor of the Empire State Building (with the hundredth floor representing now and street level representing the moment of the Big Bang), at the time of Wilson and Penzias's discovery the most distant galaxies anyone had ever detected were on about the sixtieth floor, and the most distant things—quasars—were on about the twentieth. Penzias and Wilson's finding pushed our acquaintance with the visible universe to within half an inch of the sidewalk."

[illegible]

"[illegible]"

[illegible]

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[illegible]

[illegible]"[illegible]"[illegible]

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[illegible]9[illegible]

[[illegible]] [illegible]2005[illegible]

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□□□□”Even a long human life adds up to only about 650,000 hours”□

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□□□□”Whatever else it may be, at the level of chemistry life is curiously mundane”□

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The Great Gatsby[illegible]

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[illegible]Gatsby[illegible]Daisy[illegible]

[illegible]Gatsby[illegible]Daisy[illegible]Daisy[illegible]

[illegible]

It was this night that he told me the strange story of his youth with Dan Cody—told it to me because “Jay Gatsby.” had broken up like glass against Tom’s hard malice, and the long secret extravaganza was played out. I think that he would have acknowledged anything now, without reserve, but he wanted to talk about Daisy.

[illegible]·[illegible]”[illegible]·[illegible]”[illegible]

She was the first “nice” girl he had ever known. In various unrevealed capacities he had come in contact with such people, but always with indiscernible barbed wire between. He found her excitingly desirable. He went to her house, at first with other officers from Camp Taylor, then alone. **It amazed him—he had never been in such a beautiful house before. but what gave it an air of breathless intensity, was that Daisy lived there—it was as casual a thing to her as his tent out at camp was to him. There was a ripe mystery about it,a hint of bedrooms**

up-stairs more beautiful and cool than other bedrooms, of gay and radiant activities taking place through its corridors, and of romances that were not musty and laid away already in lavender but fresh and breathing and redolent of this year's shining motor-cars and of dances whose flowers were scarcely withered. It excited him, too, that many men had already loved Daisy—it increased her value in his eyes. He felt their presence all about the house,pervading the air with the shades and echoes of still vibrant emotions.

[illegible]

But he knew that he was in Daisy's house by a colossal accident.However glorious might be his future as Jay Gatsby, he was at present apenniless young man without a past, and at any moment the invisible cloak of his uniform might slip from his shoulders. So he made the mostof his time. He took what he could get, ravenously and unscrupulously—eventually he took Daisy one still October night, took her because he hadno real right to touch her hand.

[illegible]

He might have despised himself, for he had certainly taken her under false pretenses. I don’t mean that he had traded on his phantom millions, but he had deliberately given Daisy a sense of security; he let her believe that he was a person from much the same stratum as herself—that he was fully able to take care of her. As a matter of fact, he had no such facilities—**he had no comfortable family standing behind him, and he was liable at the whim of an impersonal governmentto be blown anywhere about the world.**

[illegible]

But he didn’t despise himself and it didn’t turn out as he had imagined. He had intended, probably, to take what he could and go—but now he found that he had committed himself to the following of a grail.He knew that Daisy was extraordinary, but he didn’t realize just how extraordinary a “nice” girl could be. She vanished into her richh ouse, into her rich, full life, leaving Gatsby—nothing. He felt married to her, that was all.

[illegible]

When they met again, two days later, it was Gatsby who was breathless,who was, somehow, betrayed. Her porch was bright with the bought luxury of star-shine; the wicker of the settee squeaked fashionably as she turned toward him and he kissed her curious and lovely mouth.**She had caught a cold, and it made her voice huskier and more**

charming than ever, and Gatsby was overwhelmingly aware of the youth and mystery that wealth imprisons and preserves, of the freshness of many clothes,and of Daisy, gleaming like silver, safe and proud above the hot struggles of the poor.

[illegible]

“I can’t describe to you how surprised I was to find out I loved her,old sport. I even hoped for a while that she’d throw me over, but she didn’t, because she was in love with me too. She thought I knew a lot because I knew different things from her... . **Well, there I was,’way off my ambitions, getting deeper in love every minute, and all of a sudden I didn’t care. What was the use of doing great things if I could have a better time telling her what I was going to do?”**

[illegible]……[illegible]”[illegible]”

On the last afternoon before he went abroad, he sat with Daisyin his arms for a long, silent time. **It was a cold fall day, with firein the room and her cheeks flushed. Now and then she moved and hechanged his arm a little, and once he kissed her dark shining hair. The afternoon had made them tranquil for a while, as if to give them a deep memory for the long parting the next day promised. They had never been closer in their month of love, nor communicated more profoundly one with another, than when she brushed**

silent lips against his coat's shoulder or when he touched the end of her fingers, gently, as though she were asleep.

[illegible]

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The Great Gatsby

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9.

He was balancing himself on the dashboard of his car with that

resourcefulness of movement that is so peculiarly American - that comes, I suppose, with the absence of lifting work or rigid sitting in youth and, even more, with the formless grace of our nervous, sporadic games. This quality was continually breaking through his punctilious manner in the shape of | restlessness.

10.

It was a rich cream color, bright with nickel, swollen here and there

in its monstrous | length with triumphant hat-boxes and supper-boxes and tool-boxes, and terraced with a labyrinth of wind-shields that mirrored a dozen suns.

20 ”terraced with a labyrinth”

11.

A little overwhelmed, I began the generalized evasions which that question deserves.

[illegible]

12.

I saw him opening a chest of rubies to ease, with their crimson-lighted depths, the gnawings of his broken heart.

[illegible]

13.

Over the great bridge, with the sunlight through the girders making a constant flicker upon the moving cars, with the city rising up across the river in white heaps and sugar lumps all built with a wish out of non-olfactory money. The city seen from the Queensboro Bridge is always the city seen for the first time, in its first wild promise of all the mystery and the beauty in the world.

[illegible]
[illegible]”promise”[illegible]

14.

She began to cry - she cried and cried. I rushed out and found her

mother’s maid, and we locked the | door and got her into a cold bath. She wouldn’t let go of the letter. She took it into the tub with her and squeezed it up into a wet ball, and only let me leave it in the soap-dish when she saw that it was coming to pieces like snow. But she didn’t say another word. We gave her spirits of ammonia and put ice on her forehead and hooked her back into her dress, and half an hour later,

when we walked out of the room, the pearls were around her neck and the incident was over.

□□□□□□□□□□□□□

15.

They moved with a fast crowd, all of them young and rich and wild, but she came out with an absolutely perfect reputation.

□□□□□□move□”□□”□□□□fast□□□□□□□□□

16.

The clear voices of girls, already gathered like crickets on the grass, rose through the hot twilight.

□□□□□□□

17.

A phrase began to beat in my ears with a sort of heady excitement: “There are only the pursued, the pursuing, the busy and the tired..”

□□□□□□□□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□……”

18.

Unlike Gatsby and Tom Buchanan, I had no girl whose disembodied face floated along the dark cornices and blinding signs, and so I drew up the girl beside me, tightening my arms. Her wan, scornful mouth smiled, and so I drew her up again closer, this time to my face.

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The Great Gatsby[illegible]

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The Great Gatsby[illegible]

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[illegible]

1.

The moon had risen higher, and floating in the Sound was a triangle of silver scales, trembling a little to the stiff, tinny drip of the banjoes on the lawn.

[illegible]

2.

It understood you just so far as you wanted to be understood, believed in you as you would like to believe in yourself, and assured you that it had precisely the impression of you that, at your best, you hoped to convey.

[illegible]

3.

The large room was full of people. One of the girls in yellow was playing the piano, and beside her stood a tall, red-haired young lady from a famous chorus, engaged in song. She had drunk a quantity of champagne, and during the

course of her song she had decided, ineptly, that everything was very, very sad - she was not only singing, she was weeping too. Whenever there was a pause in the song she filled it with gasping, broken sobs, and then took up the lyric again in a quavering soprano.

The tears coursed down her cheeks - not freely, however, for when they came into contact with her heavily beaded eyelashes they assumed an inky color, and pursued the rest of their way in slow black rivulets. A humorous suggestion was made that she sing the notes on her face, whereupon she threw up her hands, sank into a chair, and went off into a deep vinous sleep.

“She had a fight with a man who says he’s her husband,.” explained a

girl at my | elbow. I looked around. Most of the remaining women were now having fights with men said to be their husbands.

4.

Most of the time I worked. In the early morning the sun threw my shadow westward as I hurried down the white chasms of lower New York to the Probity Trust. I knew the other clerks and young bond-salesmen by their first names, and lunched with them in dark, crowded restaurants on little pig sausages and mashed potatoes and coffee. I even had a short affair with a girl who lived in Jersey City and worked in the accounting department, but her brother began throwing mean looks in my direction, so when she went on her vacation in July I let it blow quietly away.

I took dinner usually at the Yale Club - for some reason it was the gloomiest event of my day - and then I went up-stairs to the library and studied investments and securities for a conscientious hour.

There were generally a few rioters around, but they never came into the library, so it was a good place to work. After that, if the night was mellow, I strolled down Madison Avenue past the old Murray Hill Hotel, and over 33d Street to the Pennsylvania Station.

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5.

I began to like New York, the racy, adventurous feel of it at night, and the satisfaction that the constant flicker of men and women and machines gives to the restless eye. I liked to walk up Fifth Avenue and pick out romantic women from the crowd and imagine that in a few minutes I was going to enter into their lives, and no one would ever know or disapprove.

Sometimes, in my mind, I followed them to their apartments on the

corners of hidden streets, and they turned and smiled back at me before they faded rough | a door into warm darkness. At the enchanted metropolitan twilight I felt a haunting loneliness sometimes, and felt it in others - poor young clerks who loitered in front of windows waiting until it was time for a solitary restaurant dinner - young clerks in the dusk, wasting the most poignant moments of night and life.

Again at eight o’clock, when the dark lanes of the Forties were five deep with throbbing taxi-cabs, bound for the theatre district, I felt a sinking in my heart. Forms leaned

together in the taxis as they waited, and voices sang, and there was laughter from unheard jokes, and lighted cigarettes outlined unintelligible gestures inside. Imagining that I, too, was hurrying toward gayety and sharing their intimate excitement, I wished them well.

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6.

Dishonesty in a woman is a thing you never blame deeply - I was casually sorry, and then I forgot.

□□□□□□□□□□□□□□□□□□□□□□□□□

7.

I am slow-thinking and full of interior rules that act as brakes on my desires.

□□□□□□□□□□□slow-thinking□full of interior rules□having brakes on desires□□□.

8.

Every one suspects himself of at least one of the cardinal virtues, and this is mine: I am one of the few honest people that I have ever known.

□□□□□□□□

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” ”

|image0|

James Legge（1815-1897）

> Guan-guan go the ospreys, On the islet in the
>
> river. | The modest, retiring, virtuous, young lady: — | For our prince a good mate she.

·Arthur Waley（1889-1966）

> Guan! Guan! Cry the fish hawks on sandbars in
>
> the river: | a mild-mannered good girl, | fine match for the gentleman.

19 20

” ” lady good girl mate ” ” match ” ” our prince gentleman 21 boy

” ”

□□□□□He sought her and found her not, □□□□□And waking

and sleeping he thought about her. | □□□□□Long he thought; oh! long and anxiously; | □□□□□On his side, on his back, he turned, and back again.

□□□□□□

□□□□□I search but cannot find her, □□□□□awake, asleep,

thinking of her, | □□□□□endlessly, endlessly, | □□□□□turning, tossing from side to side.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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President Drew Gilpin Faust, members of the Harvard Board of Overseers, members of the Harvard Corporation, faculty, staff and students, fellow alumni, members of the graduating Class of 2011, parents, family and friends, distinguished guests, ladies and gentlemen, friends:

[illegible]2011[illegible]

I am honored not only to be the 360th Commencement speaker at my alma mater, but to do so in the year Harvard University celebrates 375 years of preparing minds as the oldest institution of higher learning in America. Thank you for the invitation and congratulations to you, Dr. Faust, the first female president of Harvard! It is a great privilege to share in Harvard’s distinguished and storied history. Harvard has produced presidents, prime ministers, a United Nations secretary-general, leaders in business, government, and the church. But more than anything, Harvard has produced the men and women on whose talent our societies function — the leaders in law, health, business, government, design, education, spirituality, and thought.

[illegible]360[illegible]——[illegible]——[illegible]375[illegible]——[illegible]

An event four decades ago put me on the path that has led me to where I am today. I participated, as a junior official of Liberia's Department of Treasury, in a national development conference sponsored by our National Planning Council and a team of Harvard advisers working with Liberia. My remarks, which challenged the status quo, landed me in my first political trouble. The head of the Harvard team, recognizing, in a closed society, the potential danger I faced, facilitated the process that enabled me to become a Mason Fellow at the Kennedy School of Government. The Mason Program provided me with the opportunity to study a diversified curriculum for a master's degree in public administration. Perhaps more importantly, in terms of preparation for leadership, the program enabled us to learn and interact with other Fellows and classmates who represented current and potential leaders from all continents.

[illegible]”[illegible]”[illegible]

I engaged, thrilled to be among the world's best minds, yet overwhelmed by the reality of being a part of the world's most prestigious institution of learning. As a result, I did things that I should have done, like studying hard, going to the stacks to do the research for the many papers and for

better knowledge of the history of my country. I notice a few blank stares — evidence of the generation gap — so let me explain: the stacks contained books, which people used to write, and other people used to read, before Google Scholar was created. I also did things that I should not have done, like exposing myself to frostbite when I joined students much younger than I to travel by bus to Washington, D.C., to demonstrate against U.S. involvement in the Vietnam War.

[illegible]

It is difficult to imagine achieving all that I have, without the opportunity to study at Harvard. It is, therefore, for me a profound honor to be counted as an alumna. I salute my fellow graduates who share that rich heritage of academic excellence and the pursuit of truth.

[illegible]

In preparation for this Address, I was pleasantly surprised to learn how far back Liberia’s connection to Harvard goes. The establishment of the Liberia College (now the University of Liberia) in 1862, the second-oldest institution of higher learning in West Africa, was led and funded by the Trustees of Donations for Education in Liberia. Simon Greenleaf, the Harvard College law professor who drafted Liberia’s Independence Constitution of 1847, was the founder and president of the Trustees of Donations for Education in Liberia.

[illegible]1862[illegible]”[illegible]”[illegible]Simon Greenleaf[illegible]1847[illegible]

The first Liberian graduate of Harvard did so in 1920, and since then there has been a steady trail of Liberians to Cambridge. Most of them returned home to pursue successful careers.

1920[illegible]

Thank you, Harvard, and thank you to the many Mason Program professors, dead and alive, for the compliments you paid when my papers and interventions were top rate, and for the patience you showed when I struggled with quantitative analysis.

[illegible]

The self-confidence, sometimes called arrogance, that comes from being a Harvard graduate can also lead one down a dangerous path. It did for me. One year after my return from Cambridge, I was at it again, in a Commencement Address at my high school alma mater. I questioned the government’s failure to address long-standing inequalities in the society. This forced me into exile and a staff position at the World Bank. Other similar events would follow in a life of in and out of country, in and out of jail, in and out of professional service. There were times when I thought death was near, and times when the burden of standing tall by one’s conviction seemed only to result in failure. But through it all, my experience sends a strong message that failure is just as important as success.

Today I stand proud, as the first woman president of my country, Liberia. This has allowed me to lead the processes of change, change needed to address a long-standing environment characterized by awesome challenges: a collapsed economy, huge domestic and external debt arrears, dysfunctional institutions, destroyed infrastructure, poor regional and international relationships, and social capital destroyed by the scourge of war.

After election, I moved quickly in mobilizing our team, sought support from partners, and tackled the challenges. In five years, we formulated the laws and policies and strategies for growth and development. We removed the international sanctions on our primary exports; introduced and made public a cash-based budget; increased revenue by over 400 percent; and mobilized foreign direct investment worth 16 times the size of the economy when I assumed office. We built a small and professional army and coast guard, and moved the economy from negative growth to average around 6 percent. We have virtually eliminated a $4.9 billion external debt, settled a large portion of international institutional debt, as well as domestic arrears and suppliers' credit. We restored electricity and pipe-borne water, lacking in the capital for two decades; reconstructed two modern universities and rural referral hospitals; constructed or reconstructed roads, bridges, schools,

training institutions, local government facilities, and courts throughout the country; established and strengthened the institutional pillars of integrity; decentralized education by establishing community colleges; brought back the Peace Corps; and mobilized financial and technical resources from U.S. foundations, sororities, and individuals for support of programs aimed at the education of girls, the empowerment of adolescent youth, and improved working conditions for market women.

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Nevertheless, the challenges for sustained growth and development remain awesome. Our stability is threatened by the thousands of returnees from U.S. prisons and regional refugee camps, the bulk of whom are lacking in technical skills. Our peace is threatened by the challenging neighborhood where we live: two of our three neighbors have either experienced, or narrowly avoided, civil war in the past year, and we patiently host their refugees, since not even a decade ago it was they who hosted so many of us. Implementation of our economic development agenda is constrained by low implementation and absorptive capacity, which means that we are not constrained by funding alone. Plans to enhance performance in governance move slower than desired due to long-standing institutional decay and a corrupted value system of dishonesty and dependency. The development of infrastructure is constrained by the high

capital cost of restoration, brought about by the lack of maintenance and exacerbated by wanton destruction over two decades of conflict.

Yet, today, we are proud that young Liberian children are back in school, preparing themselves to play a productive part in the new Liberian society. Our seven-year-olds do not hear guns and do not have to run. They can smile again. We can thus say with confidence that we have moved our war-torn nation from turmoil to peace, from disaster to development, from dismay to hope. And it was the Liberian women who fought the final battle for peace, who came, their number and conviction the only things greater than their diversity, to demonstrate for the end to our civil war. I am, therefore, proud to stand before you, humbled by the success in representing the aspirations and expectations of Liberian women, African women, and, I dare to say, women worldwide.

Today I stand equally proud, as the first woman president of our African continent, a continent that has embraced the process of change and transformation. I am proud that Liberia became a beacon of hope in Africa. With few notable

exceptions, Africa is no longer a continent of countries with corrupt big men who rule with iron fists. It is no longer the Dark Continent in continual economic free fall, wallowing in debt, poverty and disease.

[illegible]

When he addressed the Ghanaian Parliament in 2009, President Barack Obama reminded the people of Africa that it would no longer be the great men of the past who would transform the continent. The future of all of our countries is in the hands of the young people, people like you, Obama said, “brimming with talent and energy and hope, who can claim the future that so many in previous generations never realized.”

2009[illegible]”[illegible]”

While many challenges persist, times have changed and the world you enter today, graduates of the Class of 2011, is much more accountable than the one we faced. At the beginning of this year, 17 elections were scheduled across our continent. In 1989, there were three democracies in sub-Saharan Africa; by 2008, there were 23. That is progress. This is a significant improvement from the days when violent overthrows were the default means of transition. A clear example stands out in West Africa. Although they did not get as much focus as postelection violence in C?te d’Ivoire, Niger and Guinea proved exemplary where the military oversaw democratic elections, turned power over to the civilian government, and returned to the barracks. In the case of C?te d’Ivoire, the Economic Community of West

African States (ECOWAS) and the African Union recognized a nonincumbent as the legitimate winner. That, again, is progress.

[illegible]2011[illegible]17[illegible]1989[illegible]3[illegible]2008[illegible]23[illegible]

We also see evidence of this progress in the African economy, which has been growing at more than 5 percent over the past decade. A recent African Development Bank report measured the rise of the middle class in Africa, totaling 313 million out of 1 billion Africans. The countries experiencing exceptional growth in their middle class include Ghana, Mozambique, Mali, Tanzania, Cape Verde, Botswana, Burkina Faso, and Rwanda. This middle class is changing the face of Africa. We are moving away from dependence on extractive industries and agriculture. There is a rising consumer class that helped brace Africa during the global economic crisis. This is emblematic not only of the progress in purchasing power in Africa, but in the progress that means you can still put food on the table for your family when the rains fail, that you can engage intelligently in political debates and hold your leaders accountable.

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Instability and years of conflict in Liberia have pushed us to the bottom of this table in terms of the size of our middle class. We stubbornly refuse to accept this and are preparing a new development agenda that aims, through proper allocation of our natural resources, to graduate Liberia from development assistance in 10 years, and propels us to a middle-income country by 2030.

[illegible]10[illegible]2030[illegible]

As Africa charts its economic path, we are taking advantage of South-South partnerships as China, India, and Brazil, not to mention Nigeria and Ghana, become more significant partners in our economic expansion. Their experience is closer to ours, and our cooperation going forward will be crucial.

[illegible]

Even as the African renaissance appears on course, we must recognize that some of this progress is driven by the same forces of commodity demand that led to temporary gains four decades ago. We are the source of raw materials, now to India and China as well as the Western world, yet we generate the least profits from these exhaustible resources. Moreover, we remain vulnerable to external price shocks and receive very little transfer of technology, or growth in related industries. Until we begin to make products to sell, build better road and rail systems, and improve the easy movement of people and goods across our borders; until we supply the engineers and geologists and marketers of our resources, our middle class will remain stunted.

[illegible]

In spite of these needs, and the fundamental economics of resource extraction, everywhere I travel in Africa, I see signs of a continent rising. We are producing more, manufacturing more, trading more, and cooperating more. Words like accountability, transparency, and reform are not just the calling card of some foreign donor; they are the words that must adjudicate closed-door decisions for those governments in Africa that seek re-election. There is a growing consensus on these issues, giving me great optimism about the future of Africa’s common economy and democratic prospects.

[illegible]

I am excited about Africa’s future, and more so about Liberia’s future. In a few months, the Liberian people will have the opportunity to select their political leadership. This means that Liberia will know a second peaceful democratic transition in six years: this in a country that was riven by political rivalries, tribalism, and civil war for two decades. It is, nonetheless, with cautious optimism that we approach this event and the future. Anxieties remain because we know that as impressive as Liberia’s rebirth has been, our achievements remain fragile and reversible.

[illegible]

[illegible]

I have no personal anxieties, however, for in a decades-long career in public service, I have learned many lessons that I can share with you today. In my journey, I have come to value hope and resilience. As an actor in Liberia’s history as it has unfolded over the last 40 years, I have seen these characteristics come full circle. I was there in the early ’70s, a decade after the independence movement had swept across Africa. Back then, the future appeared full of endless possibilities. Then across the continent there was a gradual descent into militarism, sectarian violence, and divisive ethnic politics. But I have been blessed with the opportunity to watch and participate as not only my nation but other African countries rise out of the ashes of war. With cautious optimism, it is my hope that I will continue to lead Liberia to consolidate and realize the dividends of peace.

[illegible]40[illegible]70[illegible]

As much as I have lived and experienced, what you graduates will know and do will far exceed it. History, it seems, is speeding up. After graduation, you leave the relative security, predictability, and certainty of these walls for a world full of uncertainties. Across the globe, entire societies are being transformed, new identities forged, and national stories retold. People your age across the world are becoming increasingly vocal about how they are governed and by whom. Old templates of control have been overturned as States struggle internally with issues about

national character and destiny. People who, heretofore, had no say in those conversations are asserting themselves and taking a place at the table, with or without an invitation.

[illegible]

Ten years ago, information about the tragic events of September 11 came to us mainly through traditional media: radio, television, and … cnn.com. There was no Facebook, no YouTube, no Twitter and all the other social networking sites that my grandchildren now take for granted. In the intervening 10 years, young people like yourselves have gone on to use technology to improve the overall quality of life and created wealth. In those 10 years, the world has become smaller and more connected. The complex financial instruments of 10 years ago would seem quaint to the hedge funds and investment banks of today. In those 10 years, our markets and economies have become more connected and adjusted faster.

[illegible]911[illegible]——[illegible]cnn.com[illegible]Facebook[illegible]YouTube[illegible]Twitter[illegible]10[illegible]10[illegible]10[illegible]10[illegible]

Just six months ago, the Tunisian revolution began, leading rapidly and inexorably to fundamental change across North Africa and the Middle East. Could this have happened without digital social media, or without heightened correlation of food prices across time and space? Could this have happened just 10 years ago, with the same

preconditions but a different degree of connectivity? Can you imagine what the next 10 years will bring? The next 50?

[illegible]10[illegible]10[illegible]50[illegible]

In the time even before Friendster succumbed to Facebook, our world went through phases of transformation, and Harvard graduates, students, faculty, and commencement speakers have been key actors, writers, and chroniclers of those changes. In 1947, U.S. Secretary of State George Marshall stood in this very Yard before a graduating class such as this one to announce the plan to salvage Europe after the devastation caused by the Second World War:

[illegible]Facebook[illegible]Friendster[illegible]1947[illegible]·[illegible]

He began, “I need not tell you, gentlemen, (I don’t know where the ladies were) that the world situation is very serious. But to speak more seriously” — Marshall said as he went on to advocate the well-known Marshall Plan. In time, we saw a rebounded Europe, and the subsequent rise of East Asia, have been the catalyzing forces behind Africa’s own recent progress.

[illegible]”[illegible]”——[illegible]

When President John F. Kennedy, another Harvard graduate, spoke to this audience in 1956 as the junior senator from Massachusetts, he analyzed the tension between politicians and intellectuals. Of the politicians, Kennedy said, “We need both the technical judgment and the disinterested viewpoint

of the scholar, to prevent us from becoming imprisoned by our own slogans.” In newly democratic societies, where ballots are marked with distinctive icons as well as names since many voters remain illiterate, the danger of sloganeering political populism is only greater, and can lead down the road of war, not just bad policy choices. Kennedy, of course, would go on to launch the Peace Corps, which has impacted the lives of millions throughout the world by bringing Americans across the ocean, teaching students and training teachers, and making our world a smaller place.

1956[illegible]”[illegible]”[illegible]

Ralph Ellison, speaking at the 1974 Commencement, told the graduates and alumni: “Let us not be dismayed, let us not lose faith simply because the correctives we have set in motion, and you have set in motion, took a long time.” Ellison believed that despite the challenge, the chance for national regeneration was there.

1974[illegible]Ralph Ellison[illegible]”[illegible]”[illegible]

In the more recent past, Bill Gates, a famous Harvard attendee, has made our world smaller still by having all of us speak the same dialect, by connecting us electronically and opening doors that just one generation ago seemed to belong to the realm of science fiction. Today, because of him, we are closer to living in a global village.

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With the election of Harvard graduate Barack Obama to the presidency of the United States, the face of American politics has been altered for good. In the sea change that his election represents, let me remind you, America, that Liberia has you beat on one score: We elected our first female president, perhaps 11 years before the United States might do so.

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Today, I share more than a Harvard background with you. In a way, this is also a commencement year for me. Just as you end one journey today and begin the next, so too do I in November. As my first term as the president of Liberia comes to an end, I will be standing for re-election. The person who claims to be the strongest opposition contender is a Harvard graduate. But I want you to know that the incumbent, who is also a Harvard graduate, is determined to win. The relationship between Harvard and Liberia is thus secured and in good hands!

[illegible]11[illegible]

Harvard Graduates, Class of 2011: I urge you to be fearless about the future. Just because something has not been done yet, doesn’t mean it can’t be. I was never deterred from running for president just because there had never been

any females elected head of state in Africa. Simply because political leadership in Liberia had always been a “boys’ club” didn’t mean it was right, and I was not deterred. Today, an unprecedented number of women hold leadership positions in our country, and we intend to increase that number.

[illegible]2011[illegible]

As you approach your future, there will be ample opportunity to become jaded and cynical, but I urge you to resist cynicism — the world is still a beautiful place and change is possible. As I have noted here today, my path to the presidency was never straightforward or guaranteed. Prison, death threats, and exile provided every reason to quit, to forget about the dream, yet I persisted, convinced that my country and people are so much better than our recent history indicates. Looking back on my life, I have come to appreciate its difficult moments. I believe I am a better leader, a better person with a richer appreciation for the present because of my past.

[illegible]

The size of your dreams must always exceed your current capacity to achieve them. If your dreams do not scare you, they are not big enough. If you start off with a small dream, you may not have much left when it is fulfilled because along the way, life will task your dreams and make demands on you. I am, however, bullish about the future of our world

because of you. We share one defining characteristic that prepares us to transform our world — we are all Harvard University graduates. When we add to that the traditional quests for excellence for which we are known, there is no telling what we can accomplish.

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Go forth and embrace a future that awaits you.

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I thank you.

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Note

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[illegible]`*Hacker & Painter <http://www.ruanyifeng.com/blog/2009/12/i_will_translate_paul_graham.html>*`__[illegible]

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[illegible]Paul Graham

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David Souter[illegible]

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Alexander Solzhenitsyn (December 11, 1918 - August 3, 2008)

Live Not By Lies

[illegible]

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[illegible]1974[illegible]2[illegible]18[illegible]A26[illegible]
At one time we dared not even to whisper. Now we write and read

samizdat, and sometimes when we gather in the smoking room at the Science Institute we complain frankly to one another: What kind of tricks are they playing on us, and where are they dragging us? gratuitous boasting of cosmic achievements while there is poverty and destruction at home. Propping up remote, uncivilized regimes. Fanning up civil war. And we recklessly fostered Mao Tse-tung at our expense— and it will be we who are sent to war against him, and will have to go. Is there any way out? And they put on trial anybody they want and they put sane people in asylums—always they, and we are powerless.

[illegible]

Things have almost reached rock bottom. A universal spiritual death has already touched us all, and physical death will soon flare up and consume us both and our children—but as before we still smile in a cowardly way and mumble without tounges tied. But what can we do to stop it? We haven’t the strength?

[illegible]

We have been so hopelessly dehumanized that for today’s modest ration of food we are willing to abandon all our principles, our souls, and all the efforts of our predecessors and all opportunities for our descendants—but just don’t disturb our fragile existence. We lack staunchness, pride and enthusiasm. We don’t even fear universal nuclear death, and we don’t fear a third world war. We have already

taken refuge in the crevices. We just fear acts of civil courage.

We fear only to lag behind the herd and to take a step alone-and suddenly find ourselves without white bread, without heating gas and without a Moscow registration.

We have been indoctrinated in political courses, and in just the same way was fostered the idea to live comfortably, and all will be well for the rest of our lives. You can’t escape your environment and social conditions. Everyday life defines consciousness. What does it have to do with us? We can’t do anything about it?

But we can—everything. But we lie to ourselves for assurance. And it is not they who are to blame for everything-we ourselves, only we. One can object: But actually toy can think anything you like. Gags have been stuffed into our mouths. Nobody wants to listen to us and nobody asks us. How can we force them to listen? It is impossible to change their minds.

It would be natural to vote them out of office-but there are not elections in our country. In the West people know about strikes and protest demonstrations-but we are too oppressed, and it is a horrible prospect for us: How can one suddenly renounce a job and take to the streets? Yet the other fatal paths probed during the past century by our bitter Russian history are, nevertheless, not for us, and truly we don’t need them.

Now that the axes have done their work, when everything which was sown has sprouted anew, we can see that the young and presumptuous people who thought they would make out country just and happy through terror, bloody rebellion and civil war were themselves misled. No thanks, fathers of education! Now we know that infamous methods breed infamous results. Let our hands be clean!

The circle—is it closed? And is there really no way out? And is there only one thing left for us to do, to wait without taking action? Maybe something will happen by itself? It will never happen as long as we daily acknowledge, extol, and strengthen—and do not sever ourselves from—the most perceptible of its aspects: Lies.

When violence intrudes into peaceful life, its face glows with self-confidence, as if it were carrying a banner and shouting: “I am violence. Run away, make way for me—I will crush you.” But violence quickly grows old. And it has lost confidence in itself, and in order to maintain a respectable face it summons falsehood as its ally—since violence lays its ponderous paw not every day and not on every shoulder. It demands from us only obedience to lies and daily participation in lies—all loyalty lies in that.

[illegible]

And the simplest and most accessible key to our self-neglected liberation lies right here: Personal non-participation in lies. Though lies conceal everything, though lies embrace everything, but not with any help from me.

[illegible]

This opens a breach in the imaginary encirclement caused by our inaction. It is the easiest thing to do for us, but the most devastating for the lies. Because when people renounce lies it simply cuts short their existence. Like an infection, they can exist only in a living organism.

[illegible]

We do not exhort ourselves. We have not sufficiently matured to march into the squares and shout the truth our loud or to express aloud what we think. It’s not necessary.

It’s dangerous. But let us refuse to say that which we do not think.

This is our path, the easiest and most accessible one, which takes into account out inherent cowardice, already well rooted. And it is much easier—it’s dangerous even to say this—than the sort of civil disobedience which Gandhi advocated.

Our path is to talk away from the gangrenous boundary. If we did not paste together the dead bones and scales of ideology, if we did not sew together the rotting rags, we would be astonished how quickly the lies would be rendered helpless and subside.

That which should be naked would then really appear naked before the whole world.

So in our timidity, let each of us make a choice: Whether consciously, to remain a servant of falsehood—of course, it is not out of inclination, but to feed one’s family, that one raises his children in the spirit of lies—or to shrug off the lies and become an honest man worthy of respect both by one’s children and contemporaries.

And from that day onward he:

* Will not henceforth write, sign, or print in any way a single phrase which in his opinion distorts the truth.

* Will utter such a phrase neither in private conversation not in the presence of many people, neither on his own behalf not at the prompting of someone else, either in the role of agitator, teacher, educator, not in a theatrical role.

* Will not depict, foster or broadcast a single idea which he can only see is false or a distortion of the truth whether it be in painting, sculpture, photography, technical science, or music.

*

| * Will not cite out of context, either orally or written, a single quotation so as to please someone, to feather his own nest, to achieve success in his work, if he does not share completely the idea which is quoted, or if it does not accurately reflect the matter at issue.

* [illegible]

* Will not allow himself to be compelled to attend demonstrations or meetings if they are contrary to his desire or will, will neither take into hand not raise into the air a poster or slogan which he does not completely accept.

* [illegible]

* Will not raise his hand to vote for a proposal with which he does not sincerely sympathize, will vote neither openly nor secretly for a person whom he considers unworthy or of doubtful abilities.

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[illegible] | * Will not allow himself to be dragged to a meeting where there can be expected a forced or distorted discussion of a question.

* [illegible]

* Will immediately talk out of a meeting, session, lecture, performance or film showing if he hears a speaker tell lies, or purvey ideological nonsense or shameless propaganda.

* [illegible]

* Will not subscribe to or buy a newspaper or magazine in which information is distorted and primary facts are concealed.

* [illegible]

Of course we have not listed all of the possible and necessary deviations from falsehood. But a person who purifies himself will easily distinguish other instances with his purified outlook.

[illegible]

No, it will not be the same for everybody at first. Some, at first, will lose their jobs. For young people who want to live with truth, this will, in the beginning, complicate their young lives very much, because the required recitations are stuffed with lies, and it is necessary to make a choice.

[illegible]

But there are no loopholes for anybody who wants to be honest. On any given day any one of us will be confronted with at least one of the above-mentioned choices even in the most secure of the technical sciences. Either truth or falsehood: Toward spiritual independence or toward spiritual servitude.

[illegible]

And he who is not sufficiently courageous even to defend his soul- don’t let him be proud of his “progressive” views,and don’t let him boast that he is an academician or a people’s artist, a merited figure, or a general—let him say to himself: I am in the herd, and a coward. It’s all the same to me as long as I’m fed and warm.

Even this path, which is the most modest of all paths of resistance, will not be easy for us. But it is much easier than self-immolation or a hunger strike: The flames will not envelope your body, your eyeballs, will not burst from the heat, and brown bread and clean water will always be available to your family.

A great people of Europe, the Czhechoslovaks, whom we betrayed and deceived: Haven’t they shown us how a vulnerable breast can stand up even against tanks if there is a worthy heart within it?

You say it will not be easy? But it will be easiest of all possible resources. It will not be an easy choice for a body, but it is only one for a soul. No, it is not an easy path. But there are already people, even dozens of them, who over the years have maintained all these points and live by the truth.

So you will not be the first to take this path, but will join those who have already taken it. This path will be easier and shorter for all of us if we take it by mutual efforts and in close rank. If there are thousands of us, they will not be able

to do anything with us. If there are tens of thousands of us, then we would not even recognize our country.

If we are too frightened, then we should stop complaining that someone is suffocating us. We ourselves are doing it. let us then bow down even more, let us wait, and our brothers the biologists will help to bring nearer the day when they are able to read our thoughts are worthless and hopeless.

And if we get cold feet, even taking this step, then we are worthless and hopeless, and the scorn of Pushkin should be directed to us:

“Why should cattle have the gifts of freedom?

“Their heritage from generation to generation is the belled yoke and the lash.”

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1.

The year before, Bill Gates, the mega-billionaire philanthropist and computer nerd stood here. Today, sadly, you have me. I am not wealthy, but at least I am a nerd.

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2.

I was the academic black sheep of my family.

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3.

All my best thoughts were stolen by the ancients.

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4.

After all, deans of admissions of highly selective schools are in reality, “deans of rejection.”

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5.

This next movement consists of unsolicited advice, which is rarely valued, seldom remembered, never followed.

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[illegible] [illegible]valued[illegible]

6.

Going forward, the ability to teach yourself is the hallmark of a great liberal arts education and will be the key to your success.

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[illegible] [illegible]liberal arts[illegible]”[illegible]”[illegible]liberal arts college[illegible]”[illegible]”[illegible]

7.

The source of that pride won’t be the things you have acquired or the recognition you have received.

[illegible] [illegible]

[illegible] [illegible]

[illegible] recognition[illegible]

8.

It will be the lives you have touched and the difference you have made.

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[illegible] touch[illegible]”[illegible]”[illegible]

9.

Bell Labs, to quote what was said about Mary Poppins, was “practically perfect in every way,” but I wanted to leave behind something more than scientific articles.

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10.

If a mind is ever free to be creative, that’s the time.

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[illegible] [illegible]ever[illegible]”[illegible]”[illegible]

11.

During this time, most of Canada and the United States down to Ohio and Pennsylvania were covered year round by a glacier.

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[illegible] down to[illegible]Pennsylvania[illegible]Philadelphia[illegible]

12.

How much are we willing to invest, as a world society, to mitigate the consequences of climate change that will not be realized for at least 100 years?

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13.

The Obama administration is laying a new foundation for a prosperous and sustainable energy future, but we don’t have all of the answers.

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P.S.

[illegible]Class Day[illegible](Commencement Ceremony)[illegible]

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* 2003□: □□□□Will Ferrell

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Madam President Faust, members of the Harvard Corporation and the Board of Overseers, faculty, family, friends, and, most importantly, today’s graduates,

Faust

Thank you for letting me share this wonderful day with you.

I am not sure I can live up to the high standards of Harvard Commencement speakers. Last year, J.K. Rowling, the billionaire novelist, who started as a classics student, graced this podium. The year before, Bill Gates, the mega-billionaire philanthropist and computer nerd stood here. Today, sadly, you have me. I am not wealthy, but at least I am a nerd.

[illegible]
J.K. Rowling[illegible]•[illegible]

I am grateful to receive an honorary degree from Harvard, an honor that means more to me than you might care to imagine. You see, I was the academic black sheep of my family. My older brother has an M.D./Ph.D. from MIT and Harvard while my younger brother has a law degree from Harvard. When I was awarded a Nobel Prize, I thought my mother would be pleased. Not so. When I called her on the morning of the announcement, she replied, “That’s nice, but when are you going to visit me next.” Now, as the last brother with a degree from Harvard, maybe, at last, she will be satisfied.

[illegible]”[illegible]”[illegible]

Another difficulty with giving a Harvard commencement address is that some of you may disapprove of the fact that I have borrowed material from previous speeches. I ask that you forgive me for two reasons.

[illegible]

First, in order to have impact, it is important to deliver the same message more than once. In science, it is important to be the first person to make a discovery, but it is even more important to be the last person to make that discovery.

[illegible]

Second, authors who borrow from others are following in the footsteps of the best. Ralph Waldo Emerson, who graduated from Harvard at the age of 18, noted “All my best thoughts were stolen by the ancients.” Picasso declared “Good artists borrow. Great artists steal.” Why should commencement speakers be held to a higher standard?

[illegible]

I also want to point out the irony of speaking to graduates of an institution that would have rejected me, had I the chutzpah to apply. I am married to “Dean Jean,” the former dean of admissions at Stanford. She assures me that she would have rejected me, if given the chance. When I showed her a draft of this speech, she objected strongly to my use of the word “rejected.” She never rejected applicants; her letters stated that “we are unable to offer you admission.” I have difficulty understanding the difference. After all, deans of admissions of highly selective schools are in reality, “deans of rejection.” Clearly, I have a lot to learn about marketing.

[illegible] Jean [illegible]

My address will follow the classical sonata form of commencement addresses. The first movement, just presented, were light-hearted remarks. This next movement consists of unsolicited advice, which is rarely valued, seldom remembered, never followed. As Oscar Wilde said, “The only thing to do with good advice is to pass it on. It is never of

any use to oneself.” So, here comes the advice. First, every time you celebrate an achievement, be thankful to those who made it possible. Thank your parents and friends who supported you, thank your professors who were inspirational, and especially thank the other professors whose less-than-brilliant lectures forced you to teach yourself. Going forward, the ability to teach yourself is the hallmark of a great liberal arts education and will be the key to your success. To your fellow students who have added immeasurably to your education during those late night discussions, hug them. Also, of course, thank Harvard. Should you forget, there’s an alumni association to remind you. Second, in your future life, cultivate a generous spirit. In all negotiations, don’t bargain for the last, little advantage. Leave the change on the table. In your collaborations, always remember that “credit” is not a conserved quantity. In a successful collaboration, everybody gets 90 percent of the credit.

[illegible]

Jimmy Stewart, as Elwood P. Dowd in the movie “Harvey” got it exactly right. He said: “Years ago my mother used to say to me, ‘In this world, Elwood, you must be … she always used to call me Elwood … in this world, Elwood, you must be oh so smart or oh so pleasant.’” Well, for years I was smart. … I recommend pleasant. You may quote me on that.

[illegible]Harvey[illegible]Jimmy Stewart[illegible]Elwood P. Dowd[illegible]”[illegible]’Elwood[illegible]’”[illegible]……[illegible]

My third piece of advice is as follows: As you begin this new stage of your lives, follow your passion. If you don’t have a passion, don’t be satisfied until you find one. Life is too short to go through it without caring deeply about something. When I was your age, I was incredibly single-minded in my goal to be a physicist. After college, I spent eight years as a graduate student and postdoc at Berkeley, and then nine years at Bell Labs. During that my time, my central focus and professional joy was physics.

[illegible]8[illegible]9[illegible]

Here is my final piece of advice. Pursuing a personal passion is important, but it should not be your only goal. When you are old and gray, and look back on your life, you will want to be proud of what you have done. The source of that pride won’t be the things you have acquired or the recognition you have received. It will be the lives you have touched and the difference you have made.

[illegible]

After nine years at Bell labs, I decided to leave that warm, cozy ivory tower for what I considered to be the “real world,” a university. Bell Labs, to quote what was said about Mary Poppins, was “practically perfect in every way,” but I wanted to leave behind something more than scientific

articles. I wanted to teach and give birth to my own set of scientific children.

[illegible]9[illegible]”[illegible]”——[illegible]Mary Poppins[illegible]”[illegible]”[illegible]

Ted Geballe, a friend and distinguished colleague of mine at Stanford, who also went from Berkeley to Bell Labs to Stanford years earlier, described our motives best:

[illegible]Ted Geballe[illegible]

“The best part of working at a university is the students. They come in fresh, enthusiastic, open to ideas, unscarred by the battles of life. They don’t realize it, but they’re the recipients of the best our society can offer. If a mind is ever free to be creative, that’s the time. They come in believing textbooks are authoritative, but eventually they figure out that textbooks and professors don’t know everything, and then they start to think on their own. Then, I begin learning from them.”

“[illegible]”

My students, post doctoral fellows, and the young researchers who worked with me at Bell Labs, Stanford, and Berkeley have been extraordinary. Over 30 former group members are now professors, many at the best research institutions in the world, including Harvard. I have learned much from them. Even now, in rare moments on weekends, the remaining members of my biophysics group meet with me in the ether world of cyberspace.

[illegible]30[illegible]

I began teaching with the idea of giving back; I received more than I gave. This brings me to the final movement of this speech. It begins with a story about an extraordinary scientific discovery and a new dilemma that it poses. It’s a call to arms and about making a difference.

[illegible]

In the last several decades, our climate has been changing. Climate change is not new: the Earth went through six ice ages in the past 600,000 years. However, recent measurements show that the climate has begun to change rapidly. The size of the North Polar Ice Cap in the month of September is only half the size it was a mere 50 years ago. The sea level which been rising since direct measurements began in 1870 at a rate that is now five times faster than it was at the beginning of recorded measurements. Here’s the remarkable scientific discovery. For the first time in human history, science is now making predictions of how our actions will affect the world 50 and 100 years from now. These changes are due to an increase in carbon dioxide put into the atmosphere since the beginning of the Industrial Revolution. The Earth has warmed up by roughly 0.8 degrees Celsius since the beginning of the Revolution. There is already approximately a 1 degree rise built into the system, even if we stop all greenhouse gas emissions today. Why? It will take decades to warm up the deep oceans before the temperature reaches a new equilibrium.

[illegible]60[illegible]6[illegible]9[illegible]50[illegible]1870[illegible]5[illegible]50~100[illegible] [illegible]0.8[illegible]1[illegible]

If the world continues on a business-as-usual path, the Intergovernmental Panel on Climate Change predicts that there is a fifty-fifty chance the temperature will exceed 5 degrees by the end of this century. This increase may not sound like much, but let me remind you that during the last ice age, the world was only 6 degrees colder. During this time, most of Canada and the United States down to Ohio and Pennsylvania were covered year round by a glacier. A world 5 degrees warmer will be very different. The change will be so rapid that many species, including Humans, will have a hard time adapting. I’ve been told for example, that, in a much warmer world, insects were bigger. I wonder if this thing buzzing around is a precursor.

[illegible]IPCC[illegible]50%[illegible]5[illegible]6[illegible]5[illegible]

We also face the specter of nonlinear “tipping points” that may cause much more severe changes. An example of a tipping point is the thawing of the permafrost. The permafrost contains immense amounts of frozen organic matter that have been accumulating for millennia. If the soil melts, microbes will spring to life and cause this debris to rot. The difference in biological activity below freezing and above freezing is something we are all familiar with. Frozen food remains edible for a very long time in the freezer, but

once thawed, it spoils quickly. How much methane and carbon dioxide might be released from the rotting permafrost? If even a fraction of the carbon is released, it could be greater than all the greenhouse gases we have released to since the beginning of the industrial revolution. Once started, a runaway effect could occur.

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

The climate problem is the unintended consequence of our success. We depend on fossil energy to keep our homes warm in the winter, cool in the summer, and lit at night; we use it to travel across town and across continents. Energy is a fundamental reason for the prosperity we enjoy, and we will not surrender this prosperity. The United States has 3 percent of the world population, and yet, we consume 25 percent of the energy. By contrast, there are 1.6 billion people who don’t have access to electricity. Hundreds of millions of people still cook with twigs or dung. The life we enjoy may not be within the reach of the developing world, but it is within sight, and they want what we have.

[illegible]3%[illegible]25%[illegible]16[illegible]

Here is the dilemma. How much are we willing to invest, as a world society, to mitigate the consequences of climate change that will not be realized for at least 100 years? Deeply rooted in all cultures, is the notion of generational

responsibility. Parents work hard so that their children will have a better life. Climate change will affect the entire world, but our natural focus is on the welfare of our immediate families. Can we, as a world society, meet our responsibility to future generations?

[illegible]100[illegible]

While I am worried, I am hopeful we will solve this problem. I became the director of the Lawrence Berkeley National Laboratory, in part because I wanted to enlist some of the best scientific minds to help battle against climate change. I was there only four and a half years, the shortest serving director in the 78-year history of the Lab, but when I left, a number of very exciting energy institutes at the Berkeley Lab and UC Berkeley had been established.

[illegible]-[illegible]4[illegible]78[illegible]

I am extremely privileged to be part of the Obama administration. If there ever was a time to help steer America and the world towards a path of sustainable energy, now is the time. The message the President is delivering is not one of doom and gloom, but of optimism and opportunity. I share this optimism. The task ahead is daunting, but we can and will succeed.

[illegible]

We know some of the answers already. There are immediate and significant savings in energy efficiency and conservation. Energy efficiency is not just low-hanging fruit; it is fruit lying on the ground. For example, we have the potential to make buildings 80 percent more efficient with investments that will pay for themselves in less than 15 years. Buildings consume 40 percent of the energy we use, and a transition to energy efficient buildings will cut our carbon emissions by one-third.

□□ □□□□□□□□□□□□□□□80%□□□□□□15□□□□□□□□□□□□□□□□□□□□□□□40%□□□□□□□□□□□□□□□□□□□□ □□□□□□

We are revving up the remarkable American innovation machine that will be the basis of a new American prosperity. We will invent much improved methods to harness the sun, the wind, nuclear power, and capture and sequester the carbon dioxide emitted from our power plants. Advanced bio-fuels and the electrification of personal vehicles make us less dependent on foreign oil.

□□

In the coming decades, we will almost certainly face higher oil prices and be in a carbon-constrained economy. We have the opportunity to lead in development of a new, industrial revolution. The great hockey player, Wayne Gretzky, when asked, how he positions himself on the ice, he replied,” I skate to where the puck is going to be, not where it’s been.” America should do the same.

□□Wayne Gretzky□□□□□□□□□□□□□□□

[illegible]

The Obama administration is laying a new foundation for a prosperous and sustainable energy future, but we don’t have all of the answers. That’s where you come in. In this address, I am asking you, the Harvard graduates, to join us. As our future intellectual leaders, take the time to learn more about what’s at stake, and then act on that knowledge. As future scientists and engineers, I ask you to give us better technology solutions. As future economists and political scientists, I ask you to create better policy options. As future business leaders, I ask that you make sustainability an integral part of your business.

[illegible]

Finally, as humanists, I ask that you speak to our common humanity. One of the cruelest ironies about climate change is that the ones who will be hurt the most are the most innocent: the worlds poorest and those yet to be born.

[illegible]

The coda to this last movement is borrowed from two humanists.

[illegible]

The first quote is from Martin Luther King. He spoke on ending the war in Vietnam in 1967, but his message seems so fitting for today’s climate crisis:

[illegible]•[illegible]•[illegible]1967[illegible]

“This call for a worldwide fellowship that lifts neighborly concern beyond one’s tribe, race, class, and nation is in reality a call for an all-embracing and unconditional love for all mankind. This oft misunderstood, this oft misinterpreted concept, so readily dismissed by the Nietzsches of the world as a weak and cowardly force, has now become an absolute necessity for the survival of man … We are now faced with the fact, my friends, that tomorrow is today. We are confronted with the fierce urgency of now. In this unfolding conundrum of life and history, there is such a thing as being too late.”

“[illegible]……[illegible]”

The final message is from William Faulkner. On December 10th, 1950, his Nobel Prize banquet speech was about the role of humanists in a world facing potential nuclear holocaust.

[illegible]•[illegible]1950[illegible]12[illegible]10[illegible]

“I believe that man will not merely endure: he will prevail. He is immortal, not because he alone among creatures has an inexhaustible voice, but because he has a soul, a spirit capable of compassion and sacrifice and endurance. The poet’s, the writer’s, duty is to write about these things. It is his privilege to help man endure by lifting his heart, by reminding him of the courage and honor and hope and pride

and compassion and pity and sacrifice which have been the glory of his past.”

“[illegible]——[illegible]”

Graduates, you have an extraordinary role to play in our future. As you pursue your private passions, I hope you will also develop a passion and a voice to help the world in ways both large and small. Nothing will give you greater satisfaction.

[illegible]

Please accept my warmest congratulations. May you prosper, may you help preserve and save our planet for your children, and all future children of the world.

[illegible]

[illegible]

* [illegible]·[illegible]（2007）

* J·K·[illegible]（2008）

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[illegible]

> Thank you. Thank you, my friends. Thank you for coming here on this beautiful Arizona evening.
>
> [illegible]
>
> My friends, we have — we have come to the end of a long journey. The American people have spoken, and they have spoken clearly.
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> [illegible]
>
> A little while ago, I had the honor of calling Sen. Barack Obama to congratulate him.
>
> [illegible]

To congratulate him on being elected the next president of the country that we both love.

[illegible]

[illegible]

This is an historic election, and I recognize the special significance it has for African-Americans and for the special pride that must be theirs tonight.

[illegible]

I’ve always believed that America offers opportunities to all who have the industry and will to seize it. Sen. Obama believes that, too.

[illegible]

But we both recognize that, though we have come a long way from the old injustices that once stained our nation’s reputation and denied some Americans the full blessings of American citizenship, the memory of them still had the power to wound.

[illegible]

A century ago, President Theodore Roosevelt’s invitation of Booker T. Washington to dine at the White House was taken as an outrage in many quarters.

[illegible]·[illegible]Booker T. Washington[illegible]

America today is a world away from the cruel and frightful bigotry of that time. There is no better evidence of this than the election of an African-American to the presidency of the United States.

[illegible]

[illegible]

These are difficult times for our country. And I pledge to him tonight to do all in my power to help him lead us through the many challenges we face.

[illegible]

I urge all Americans who supported me to join me in not just congratulating him, but offering our next president our good will and earnest effort to find ways to come together to find the necessary compromises to bridge our differences and help restore our prosperity, defend our security in a dangerous world, and leave our children and grandchildren a stronger, better country than we inherited.

[illegible]

[illegible]

It is natural. It’s natural, tonight, to feel some disappointment. But tomorrow, we must move beyond it and work together to get our country moving again.

[illegible]

We fought — we fought as hard as we could. And though we fell short, the failure is mine, not yours.

[illegible]

I am so deeply grateful to all of you for the great honor of your support and for all you have done for me. I wish the outcome had been different, my friends.

[illegible]

The road was a difficult one from the outset, but your support and friendship never wavered. I cannot adequately express how deeply indebted I am to you.

[illegible]

[illegible]

I don’t know — I don’t know what more we could have done to try to win this election. I’ll leave that to others to determine. Every candidate makes mistakes, and I’m sure I made my share of them. But I won’t spend a moment of the future regretting what might have been.

[illegible]

This campaign was and will remain the great honor of my life, and my heart is filled with nothing but gratitude for the experience and to the American people for giving me a fair hearing before deciding that Sen. Obama and

my old friend Sen. Joe Biden should have the honor of leading us for the next four years.

Tonight — tonight, more than any night, I hold in my heart nothing but love for this country and for all its citizens, whether they supported me or Sen. Obama — whether they supported me or Sen. Obama.

I wish Godspeed to the man who was my former opponent and will be my president. And I call on all Americans, as I have often in this campaign, to not despair of our present difficulties, but to believe, always, in the promise and greatness of America, because nothing is inevitable here.

Americans never quit. We never surrender.

We never hide from history. We make history.

Thank you, and God bless you, and God bless America. Thank you all very much.

[illegible]

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[illegible]6[illegible]5[illegible]J.K.[illegible]

[illegible]The Fringe Benefits of Failure, and the Importance of Imagination[illegible]

[illegible]J·K·[illegible]30[illegible]

[illegible]·[illegible]

[illegible]

[illegible]

> President Faust, members of the Harvard Corporation and the Board of Overseers, members of the faculty, proud parents, and, above all, graduates.
>
> [illegible]
>
> The first thing I would like to say is ‘thank you.’ Not only has Harvard given me an extraordinary honour, but the weeks of fear and nausea I have endured at the thought of giving this commencement address have made me lose weight. A win-win situation! Now all I have to do is take deep breaths, squint at the red banners and

convince myself that I am at the world’s largest Gryffindor reunion.

[illegible]

Delivering a commencement address is a great responsibility; or so I thought until I cast my mind back to my own graduation. The commencement speaker that day was the distinguished British philosopher Baroness Mary Warnock. Reflecting on her speech has helped me enormously in writing this one, because it turns out that I can’t remember a single word she said. This liberating discovery enables me to proceed without any fear that I might inadvertently influence you to abandon promising careers in business, the law or politics for the giddy delights of becoming a gay wizard.

[illegible]

You see? If all you remember in years to come is the ‘gay wizard’ joke, I’ve come out ahead of Baroness Mary Warnock. Achievable goals: the first step to self improvement.

[illegible]

Actually, I have wracked my mind and heart for what I ought to say to you today. I have asked myself what I wish I had known at my own graduation, and what

important lessons I have learned in the 21 years that have expired between that day and this.

[illegible]21[illegible]

I have come up with two answers. On this wonderful day when we are gathered together to celebrate your academic success, I have decided to talk to you about the benefits of failure. And as you stand on the threshold of what is sometimes called ‘real life’, I want to extol the crucial importance of imagination.

[illegible]”[illegible]”[illegible]

These may seem quixotic or paradoxical choices, but please bear with me.

[illegible]

[illegible]

[illegible]

Looking back at the 21-year-old that I was at graduation, is a slightly uncomfortable experience for the 42-year-old that she has become. Half my lifetime ago, I was striking an uneasy balance between the ambition I had for myself, and what those closest to me expected of me.

[illegible]42[illegible]21[illegible]21[illegible]

I was convinced that the only thing I wanted to do, ever, was to write novels. However, my parents, both of

whom came from impoverished backgrounds and neither of whom had been to college, took the view that my overactive imagination was an amusing personal quirk that would never pay a mortgage, or secure a pension. I know that the irony strikes with the force of a cartoon anvil, now.

So they hoped that I would take a vocational degree; I wanted to study English Literature. A compromise was reached that in retrospect satisfied nobody, and I went up to study Modern Languages. Hardly had my parents' car rounded the corner at the end of the road than I ditched German and scuttled off down the Classics corridor.

I cannot remember telling my parents that I was studying Classics; they might well have found out for the first time on graduation day. Of all the subjects on this planet, I think they would have been hard put to name one less useful than Greek mythology when it came to securing the keys to an executive bathroom.

I would like to make it clear, in parenthesis, that I do not blame my parents for their point of view. There is an expiry date on blaming your parents for steering you in the wrong direction; the moment you are old enough to take the wheel, responsibility lies with you. What is

more, I cannot criticise my parents for hoping that I would never experience poverty. They had been poor themselves, and I have since been poor, and I quite agree with them that it is not an ennobling experience. Poverty entails fear, and stress, and sometimes depression; it means a thousand petty humiliations and hardships. Climbing out of poverty by your own efforts, that is indeed something on which to pride yourself, but poverty itself is romanticised only by fools.

[illegible]

[illegible]

A mere seven years after my graduation day, I had failed on an epic scale.

[illegible]7[illegible]

An exceptionally short-lived marriage had imploded, and I was jobless, a lone parent, and as poor as it is possible to be in modern Britain, without being homeless. The fears my parents had had for me, and that I had had for myself, had both come to pass, and by every usual standard, I was the biggest failure I knew.

[illegible]

That period of my life was a dark one. I had no idea how far the tunnel extended, and for a long time, any light at the end of it was a hope rather than a reality.

[illegible]

[illegible] J.K. [illegible]

So why do I talk about the benefits of failure? Simply because failure meant a stripping away of the inessential. I stopped pretending to myself that I was anything other than what I was, and began to direct all my energy into finishing the only work that mattered to me.

[illegible]

Had I really succeeded at anything else, I might never have found the determination to succeed in the one arena I believed I truly belonged.

[illegible]

I was set free, because my greatest fear had already been realised, and I was still alive, and I still had a daughter whom I adored, and I had an old typewriter and a big idea. And so rock bottom became the solid foundation on which I rebuilt my life.

[illegible]

Failure gave me an inner security that I had never attained by passing examinations. Failure taught me things about myself that I could have learned no other way. I discovered that I had a strong will, and more discipline than I had suspected; I also found out that I had friends whose value was truly above rubies.

[illegible]

You will never truly know yourself, or the strength of your relationships, until both have been tested by adversity. Such knowledge is a true gift, for all that it is painfully won, and it has been worth more to me than any qualification I ever earned.

[illegible]

[illegible]*[illegible]*[illegible]*[illegible]Amnesty International[illegible]

[illegible]

[illegible]

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]·[illegible]

Should Harvard encourage its faculty to take on the world’s worst inequities? Should Harvard students learn about the depth of global poverty … the prevalence of world hunger … the scarcity of clean water …the girls kept out of school … the children who die from diseases we can cure?

[illegible]……[illegible]……[illegible]……[illegible]……[illegible]……[illegible]

Should the world’s most privileged people learn about the lives of the world’s least privileged?

[illegible]

These are not rhetorical questions - you will answer with your policies.

[illegible]

When you consider what those of us here in this Yard have been given - in talent, privilege, and opportunity - there is almost no limit to what the world has a right to expect from us.

[illegible]——[illegible]——[illegible]

J.K.[illegible]

the fact that you are graduating from Harvard suggests that you are not very well-acquainted with failure. You might be driven by a fear of failure quite as much as a desire for success. Indeed, your conception of failure might not be too far from the average person's idea of success, so high have you already flown academically.

[illegible]

But how much more are you, Harvard graduates of 2008, likely to touch other people's lives? Your intelligence, your capacity for hard work, the education you have earned and received, give you unique status, and unique responsibilities……. That is your privilege, and your burden.

[illegible]2008[illegible]……[illegible]

If you choose to use your status and influence to raise your voice on behalf of those who have no voice; if you choose to identify not only with the powerful, but with the powerless; if you retain the ability to imagine yourself into the lives of those who do not have your advantages, then it will not only be your proud families who celebrate your existence, but thousands and millions of people whose reality you have helped transform for the better.

[illegible]

We do not need magic to change the world, we carry all the power we need inside ourselves already: we have the power to imagine better.

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[illegible]9[illegible]6[illegible]

[illegible]30[illegible]

[illegible]”Please, don’t go there”[illegible]

> So I want to say to my supporters: When you hear people saying or think to yourself, “If only, or, “What if,” I say, please, don’t go there.
>
> [illegible]”[illegible]”[illegible]”[illegible]”……[illegible]
>
> Every moment wasted looking back keeps us from moving forward. Life is too short, time is too precious, and the stakes are too high to dwell on what might have been. We have to work together for what still can be. And that is why I will work my heart out to make sure that Senator Obama is our next president.

[illegible]

[illegible]

When we first started, people everywhere asked the same questions. Could a woman really serve as commander-in-chief? Well, I think we answered that one.

[illegible]

As we gather here today in this historic, magnificent building, the 50th woman to leave this Earth is orbiting overhead. If we can blast 50 women into space, we will someday launch a woman into the White House.

[illegible]50[illegible]50[illegible]

Although we weren’t able to shatter that highest, hardest glass ceiling this time, thanks to you, it’s got about 18 million cracks in it…

[illegible]1800[illegible]……

… and the light is shining through like never before, filling us all with the hope and the sure knowledge that the path will be a little easier next time.

[illegible]

[illegible]”Shame on you, Barack Obama”[illegible]

The way to continue our fight now, to accomplish the goals for which we stand is to take our energy, our passion, our strength, and do all we can to help elect Barack Obama, the next president of the United States.

[illegible]·[illegible]

Today, as I suspend my campaign, I congratulate him on the victory he has won and the extraordinary race he has run. I endorse him and throw my full support behind him.

[illegible]

(APPLAUSE)

[illegible]

And I ask all of you to join me in working as hard for Barack Obama as you have for me.

[illegible]·[illegible]

(APPLAUSE)

[illegible]

I have stood on the stage and gone toe-to-toe with him in 22 debates. I’ve had a front-row seat to his candidacy, and I have seen his strength and determination, his grace and his grit.

[illegible]22[illegible]

[illegible]

Now, being human, we are imperfect. That’s why we need each other, to catch each other when we falter, to encourage each other when we lose heart. Some may lead, some may follow, but none of us can go it alone.

[illegible]

[[illegible]]

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[illegible]28[illegible]”[illegible]”[illegible]

[illegible]

[illegible]4[illegible]9[illegible]5[illegible]18[illegible]wellcome[illegible]

This is the end

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German photographer Walter Schels was terrified of death, but felt compelled to take these extraordinary series of portraits of people before and on the day they died. His partner Beate Lakotta recorded the poignant and revealing interviews with the subjects in their final days. The couple

tell Joanna Moorhead how facing death changed how they felt about dying - and living

[□□] □□□□□Walter Schels□□□□□□□□□□□□□□□□□□□□□□——□□□□□□□□□□□□□□□□□□□□□Beate Lakotta□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Joanna Moorhead□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□Joanna Moorhead

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Nothing, it is said, teaches us more about living than dying. But if so, isn’t it odd how little we face up to death? And isn’t it odd that modern societies, which appear so keen to find meaning in the business of living, push death to the periphery, minimising our contact with it and sanitising its impact?

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The German photographer Walter Schels thinks it not only odd, but wrong that death is so hidden from view. Aged 72, he’s also keenly aware that his own death is getting closer. Which is why, a few years ago, he embarked on a bizarre project. He decided to shoot a series of portraits of people both before and after they had died. The result is a collection of photographs of 24 people - ranging from a baby of 17 months to a man of 83 - that goes on show in London next week. Alongside the portraits are the stories of the

individuals concerned, penned by Beate Lakotta, Schels' partner, who spent time with the subjects in their final days and who listened as they told her how it felt to be nearing the end of their lives.

□□□□□Walter Schels□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□72□□□24□□□□□□17□□□□□□□□□83□□□Schels□□□Beate Lakotta□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Schels and Lakotta work out of a spacious, top-floor flat in Hamburg: the tables, and even the floor, are littered with images from both this series and from the thousands of other shoots Schels has done during a long career taking portraits for some of the world's leading glossy magazines. But all his life, says Schels, he has had a crippling fear of death, and of dead bodies. "I was brought up in Munich during the war, and one day our house was bombed. I saw many bodies - limbs torn off, heads torn off, terrible things - and I have never forgotten them. Since that day, I was always afraid of dead bodies. Even when my mother died - she was 89 years old, and I'd taken her photograph earlier that very day - I didn't want to see her after death."

Schels□Lakotta□□Schels□□□"□□——□□89□□□□□□□□□□□□□□□□□□□□□□□"

So it took every ounce of his courage to embark on a project that was going to force him into such close contact with the dead. "I was filled with terror. Sometimes when I was taking

pictures of a body I would be loading my camera and I'd keep looking at their face out of the corner of my eye, making sure they really were dead. Once I had a dream in which one of the subjects woke up during the shoot, and said, 'What are you doing?' And I knew she was dead but I didn't want to tell her, and in my dream I was thinking, 'Oh no, how am I going to tell her she's dead?'"

[illegible]"[illegible]'[illegible]'[illegible]'[illegible]'"

Logistically, the project was fraught with difficulties. Finding people who were dying was relatively easy - the couple tracked them down through hospices in Hamburg and Berlin. Perhaps surprisingly, most of the people they approached were willing to be included, though a few said no. But a bigger problem, for Schels and Lakotta, was being continuously on standby to go to take pictures. "You'd get a call at 3am and it would be the hospice to say that someone had died, and we'd have to get up straight away and get over there so we could fit in a photo shoot between the relatives arriving and the undertaker coming," explains Lakotta, 42. "It was relentless, and very draining emotionally." Schels agrees: "We'd come back here in the evening, after a day when we'd maybe been to a funeral and shot pictures of a dead body, and we'd sit here crying and drinking whisky and wine." Both agree they couldn't possibly have completed the project alone. "There were times when it seemed such a strange, unbelievable thing to be doing," says Lakotta. "We could only talk to one another about it."

[illegible]Schels[illegible]Lakotta[illegible]

[illegible]”[illegible]”42[illegible]
Lakotta[illegible]”[illegible]”Schels[illegible]”[illegible]”[illegible]”[illegible]”Lakotta[illegible]”[illegible]”

Photographing the bodies was a challenge. “The first shoot was terrifying: we were so afraid that we just crept in and photographed the body in profile, lying on the bed, without moving it at all,” says Schels. “But when we compared the before-and-after pictures, we realised it didn’t work - we hadn’t captured the face in a way that mirrored it in its before-death state.” Over the next few weeks the pair experimented to overcome the problems of rigor mortis and the effects of gravity on a dead face, until they came up with an answer. “We realised we had to sit the subject up, as they had been in the before-death shot,” says Lakotta. She went, she says, from being someone who could hardly bear to touch a dead body to someone who thought nothing of moving a body around and coaxing it into a sitting pose to get a good face-on shot. “But one thing you never get used to is the feel of a dead person - it’s always shocking,” she says. “It’s like cement - that cold, that hard, and that heavy.”

[illegible]”[illegible]”Schels[illegible]”[illegible]”[illegible]”[illegible]”Lakotta[illegible]”[illegible]——[illegible]”

But, horrifying though photographing the bodies was, more shocking still for Schels and Lakotta was the sense of

loneliness and isolation they discovered in their subjects during the before-death shoots. “Of course we got to know these people because we visited them in the hospices and we talked about our project, and they talked to us about their lives and about how they felt about dying,” explains Lakotta. “And what we realised was how alone they almost always were. They had friends and relatives, but those friends and relatives were increasingly distant from them because they were refusing to engage with the reality of the situation. So they’d come in and visit, but they’d talk about how their loved one would soon be feeling better, or how they’d be home soon, or how they’d be back at work in no time. And the dying people were saying to us that this made them feel not only isolated, but also hurt. They felt they were unconnected to the people they most wanted to feel close to, because these people refused to acknowledge the fact that they were dying, and that the end was near.”

[illegible]Schels and Lakotta[illegible]”[illegible]”Lakotta[illegible]”[illegible]”

Some of the subjects, says Schels, were bitter about how lonely the business of dying had made them feel - for some, this was why they agreed to take part in the project. “Some of the dying said, ‘It’s so good you’re doing this - it’s really important to show what it’s like. No one else is listening to me, no one wants to hear or know what it’s really like.’”

Schels[illegible]”[illegible]’[illegible]

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Both Schels and Lakotta feel the experience of being close to so many dying people has changed how they feel not only about dying themselves, but how they feel about living - and also, how they would support a friend or relative through terminal illness. “I know now how important it is to be there, or at least to offer to be there, as much as possible - and to not be afraid of asking questions, and of listening to the answers,” says Lakotta. Schels, meanwhile, says that while death never loses its ability to shock, it has - for them - lost its ability to frighten. He is no longer terrified of dead bodies, and nor is he frightened of the future. He remains, as he has long been, an agnostic, having noticed that believers and non-believers alike showed the same fear of the unknown that awaited them.

Schels[illegible]Lakotta[illegible]”[illegible]”Lakotta[illegible]Schels[illegible]

Most importantly, the couple feel they know the importance of making the time they have left count. And though we are discussing a most sombre subject, there is much laughter: both Schels and Lakotta have a wonderful ability to find pathos and humour in many of their experiences. There was the man who refused to die (he was eventually told by the hospice that he would have to move back home; but when he called his girlfriend, she told him she had given all his possessions away … he finally died a few days after realising that he was on a one-way street, and there really was no going back). Another patient, a woman, had been disappointed by almost everything, all her life. “She proudly told me that her funeral would be packed, with at least 85

people there,” says Lakotta. “But I went to it, and there were only about 30 of us … and I thought, this was inevitable, really.”

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“What I was used to,” says Schels, who has taken hundreds of portraits during his career, “was people who smiled for the camera. It’s usually an automatic response. But these people never smiled. They were incredibly serious; and more than that, they weren’t pretending anything any more. People are almost always pretending something, but these people had lost that need. I felt it enabled me as a photographer to get as close as it’s possible to get to the core of a person; when you’re facing the end, everything that’s not real is stripped away. You’re the most real you’ll ever be, more real than you’ve ever been before”.

Schels□□□□□□□□□□□□□□□□□□□□□□□”□□□”

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2008

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Shelley Powers

I spent the last week looking at differences between Clinton and Obama. I thought about what they’ve done in the past, what there was about each that I didn’t like. I focused on their weaknesses in an attempt to determine which deserved my vote.

During that same time, I received call after call from the Republican party about Huckabee, McCain, and Romney. In the end, I couldn’t “see” the differences between Obama and Clinton, because of the huge gaps between both of them and the Republican candidates.

The Republican candidates all emphasize their ‘strength’, and determination to fight terrorism. I look around the country today and frankly, terrorism is the least of my long

list of concerns. Clinton and Obama, on the other hand, emphasize the issues that do worry me. More importantly, they talk of the people, as a whole, while the Republicans talk about groups: the Christians, the pro-lifers, the terrorists, other governments.

The Republican candidates promise change, but bring the same thing to this election that they brought to the last: keep the people focused on the differences between us, so that we're blind to what's happened in this country to all of us. All of the people. We the people.

We the people…words we've heard before. Words we don't hear enough, now. Regardless of religious beliefs, region, country of our birth and our ancestry, sex or sexual preference, even income, we have forgotten in these last eight years that we are a people united by the same concerns and worries. What impacts any one group of us, impacts all of us.

One out of five of us doesn't have health insurance. Both Clinton and Obama have promised universal health care, and though there are differences in the implementation, in the long run, both have promised to take the steps necessary to make this happen. None of the Republicans have even made this attempt.

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Both Obama and Clinton have promised an end to the current state in Iraq, and though their methods are different, at least they have promised to take the first steps necessary to make this happen. None of the Republicans have even made this attempt. The opposite in fact: there isn’t a Republican candidate I trust not to do the same thing in Iran that we’ve done to Iraq. This thought terrifies me.

[illegible]

The Republicans talk of building a 2 billion dollar fence between us and Mexico, and I think what has happened to us that our biggest concern is placing barbed wire between some poor soul and a job picking apples for 8 dollars an hour? This, while we condone torture, indiscriminate wiretapping, and a bloated, useless agency that can’t even handle the natural disasters we do face every year?

[illegible]20[illegible]8[illegible]/[illegible]

Neither Obama nor Clinton have declared open war on corporations in this country, but each has said that the free ride corporations have had in the last eight years is over. On the other hand when the Republican candidates are asked about holding corporations responsible for their actions, they respond with assertions about how they are pro-life and have a belief in God, as well as promise to continue the fight against terrorism. The same fight against terrorism that led to companies like Blackwater thinking themselves

above the law, both inside and outside our country. The same fight against terrorism that led us to invade a country, not because it was a threat but because it had oil. The same fight against terrorism that led to laws benefiting corporations at the expense of the environment, our privacy, and our rights under the constitution.

[illegible]8[illegible]Blackwater[illegible]

In eight years, the only “trickle down” I’ve seen of the economics practiced by the Republicans are the tears on the faces of those who have lost their jobs, their homes, and their hopes.

[illegible]”[illegible]”[illegible]

The Republican candidates point, with fear, to socialism. What about corporatalism? Why is it so much better to give to the corporations than to the people? How much more of our national soul will we give, so that corporations can reap obscene profits with little oversight?

[illegible]

What an election the Presidential election of 2008 will be. For the first time in history, we go into this presidential election with a candidate who is not a symbol of the ruling elite. Regardless of who wins the Democratic nomination-Obama or Clinton-his or her fight for the presidency will be long and difficult. Too difficult to start it with being

disappointed because the candidate we have is not the other.

2008[illegible]——[illegible]——[illegible]

At the end of my considerations, I couldn't see the differences between Clinton and Obama. All I can see is the goodness in both. The hope each brings to this election. How desperately we need them, both of them. Whatever each has done in that past that I don't like is not as important as what I believe they will do for us in the future. I thought to myself last night, "Which of all of the presidential candidates will best represent me in the next four years?" I then got a call from a state representative hawking McCain, and found my answer.

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1973-1976 Foreign Relations, Volume XVIII, China, 1973-1976

"1975 " P.856—P.867

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" - " the Chinese Government was becoming more conciliatory. We have stared them down. What they respect is firmness. Without Congress, we would have the Soviet-Chinese triangle working again. I think we should tell the Chinese I am going to Moscow. The Soviet angle is what keeps the Chinese under control.

" " When we hung tough on the Peking visit, it obviously worked.

" " personal contact between U.S. and Chinese leaders was important, especially because Chinese "ambassadors have no authority.

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Book People Mailing List□□□□

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So long, and thanks....

□□□□□□……
We had some new friends over for dinner last night, and towards

dessert, the conversation turned to books, and eventually to all the books that were now available online. They were quite interested in the travel accounts by women that Mary had been putting online, and remarked “You must have a passion for this.” When they found out that over 300 books had been republished on her site, on a completely volunteer basis, they said “that’s a *lot* of passion!”

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I think that could be said about a lot of the people on the list. Whether it’s the regular posters, or the folks who mostly lurk and occasionally send us email, this has been a group that’s been passionate about books, what they can do for people, and the importance of doing the best job we can to make them available to as many people as possible.

We’ve built libraries of not just hundreds but tens of thousands of books with volunteer labor. (And some of us have quietly been building at the millions-of-books scale.) We’ve discussed the need for copyright reform (with one of us famously taking his case all the way to the US Supreme Court). We’ve proposed and argued about the best ways to produce and provide the most useful, high-quality book collections. We’ve done fresh translations of classic works, organized large teams of proofreaders and encyclopedia writers, and written and demonstrated new software and formats for preparing, viewing, and exploring books online. We’ve helped out our fellow listmembers when they’ve had posted questions about some problem they were having preparing or using books. And sometimes we’ve just talked about the books we liked, and what made them special for us.

I’ve enjoyed hearing and participating in these conversations, and am happy to have met you all virtually (one perk of taking the subscription requests is you hear from the lurkers as well the posters), and have been fortunate enough to meet some of you in person as well. If you browse through the archives, which will remain online at

http://onlinebooks.library.upenn.edu/webbin/bparchive

[illegible]Email[illegible]

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you’ll see how far things have come since this list started out in 1997, and how much potential there still is to do more.

[illegible]1997[illegible]

So I very much appreciate people continuing in the same spirit as we started out. I’m particularly thankful to Kent Larsen for starting up Book Futures, which I see has already begun activity), and to the various other listmembers who have recently started other lists related to online books and the sharing of knowledge. And I hope those of you who are so inclined will stop by my blog at Everybody’s Libraries, or Mary’s Celebration blog. Again, I’ve left pointers to all these places, and to the archives of this list, at

http://onlinebooks.library.upenn.edu/bplist/

[illegible]Kent Larsen[illegible]Book Futures[illegible]Blog[illegible]

http://onlinebooks.library.upenn.edu/bplist/

and am happy to take corrections and updates there.

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So I wish all the Book People farewell for now, and hope that we and our books will meet again soon.

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John Mark Ockerbloom
Moderator, Book People mailing list

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The Rape of Nanking

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As the Central China Expeditionary Force under command of MATSUI approached the city of Nanking in early December 1937, over one-half of its one million inhabitants and all but a few neutrals who remained behind to organize an International Safety Zone, fled from the city. the Chinese Army retreated, leaving approximately 50,000 troops behind to defend the city.

1937[illegible]12[illegible]”[illegible]”[illegible]100[illegible] [illegible]5[illegible]

As the Japanese forces stormed the South Gate on the night of 12 December 1937, most of the remaining 50,000 troops escaped through the North and West Gates of the city.

1937[illegible]12[illegible]12[illegible]5[illegible]

Nearly all the Chinese soldiers had evacuated the city or had abandoned their arms and uniforms and sought refuge in the International Safety Zone, and all resistance had ceased as the Japanese Army entered the city on the morning of 13 December 1937.

[illegible]1937[illegible]12[illegible]13[illegible]

The Japanese soldiers swarmed over the city and committed various atrocities. According to one of the eyewitnesses, they were let loose like a barbarian horde to desecrate the city. It was said by eyewitnesses that the city appeared to have fallen into the hands of the Japanese as captured prey, that it had not merely been taken in organized warfare, and

that the members of the victorious Japanese Army had set upon the prize to committee unlimited violence.

[illegible]

Individual soldiers and small groups of two of three roamed over the city murdering, raping, looting, and burning. there was no discipline whatever. Many soldiers were drunk. Solders went through the streets indiscriminately killing Chinese men, women and children without apparent provocation or excuse until in places the streets and alleys were littered with the bodies of their victims. According to another witness, Chinese were hunted like rabbits, everyone seen to move was shot. At least 12,000 non-combatant Chinese men, women and children met their deaths in these indiscriminate killings during the first two or three days of the Japanese occupation of the city.

[illegible]12000[illegible]

There were many cases of rape. Death was a frequently penalty for the slightest resistance on the part of a civtion [sic] or the members of her family who sought to protect her. Even girls of tender years and old women were raped in large numbers throughout the city, and many cases of abnormal and sadistic behaviour in connection with these rapings occurred. Many women were killed after the act and their bodies mutilated. Approximately 20,000 cases of rape occurred within the city during the first month of the occupation.

[illegible]20000[illegible]

Japanese soldiers took from the people everything they desired. Soldiers were observed to stop unarmed civilians on the road, search them, and finding nothing of value then to shoot them. Very many residential and commercial properties were entered and looted. Looted stocks were carried away in trucks. After looting shops and warehouses, the Japanese soldiers frequently set fire to them.

[illegible]

Taiping Road, the most important shopping street, and block after block of the commercial section of the city were destroyed by fire. Soldiers burned the homes of civilians for no apparent reason. Such burning appeared to follow a prescribed pattern after a few days and continued for six weeks. Approximately one-third of the city was thus destroyed.

[illegible]6[illegible]

Organized and wholesale murder of male civilians was conducted with the apparent sanction of the commanders on the pretense that Chinese soldiers had removed their uniforms and were mingling with the population. Groups of Chinese civilians were formed, bound with their hands behind their backs, and marched outside the walls of the city where they were killed in groups by machine gun fire and with bayonets. More than 20,000 Chinese men of military age are known to have died in this fashion.

[illegible]20000[illegible]

The German Government was informed by its representative about “atrocities and criminal acts not of an individual but of an entire Army, namely, the Japanese,” which Army, later in the Report, was qualified as a “bestial machinery.”

[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

Those outside the city fared little better than those within. Practically the same situation existed in all the communities within 200 li (about 66 miles) of Nanking. The population had fled into the country-side in an attempt to escape from the Japanese soldiers. In places they had grouped themselves into fugitive camps. The Japanese captured many of these camps and visited upon the fugitives treatment similar to that accorded the inhabitants of Nanking.

[illegible]200[illegible]66[illegible]

Of the civilians who had fled Nanking, over 57,000 were overtaken and interned. These were starved and tortured in captivity until a large number died. Many of the survivors were killed by machine gun fire and by bayoneting.

[illegible]57000[illegible]

Large parties of Chinese soldiers laid down their arms and surrendered outside Nanking; within 72 hours after their

surrender, they were killed in groups by machine gun fire along the bank of the Yangtze River.

[illegible]72[illegible]

Over 30,000 such prisoners of war were so killed. There was not even a pretence of trial of these prisoners so massacred.

[illegible]30000[illegible]

Estimates made at a later date indicate that the total number of civilians and prisoners of war murdered in Nanking and its vicinity during the first six weeks of the Japanese occupation was over 200,000. That these estimates are not exaggerated is borne out by the fact that burial societies and other organizations counted more than 155,000 bodies which they buried. They also reported that most of those were bound with their hands tied behind their backs. These figures do not take into account those persons whose bodies were destroyed by burning, or by throwing them into the Yangtze River, or otherwise disposed of by Japanese.

[illegible]20[illegible]
[illegible]
[illegible]15.5[illegible]
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Japanese Embassy officials entered the city of Nanking with the advance elements of the Army; and on 14 December, an official of the Embassy informed the International Committee for the Nanking Safety ¸one that the “Army was determined to make it bad for Nanking, but that Embassy officials were going to try to moderate the action.” The Embassy officials also informed the members of the Committee that at the time of the occupation of the city, no more than 17 military policemen were provided by the Army

commanders to maintain order within the city. When it transpired that complaints to the Army officials did not have any result, those Japanese embassy officials suggested to the foreign missionaries that the latter should try and get publicity in Japan, so that the Japanese Government would be forced by public opinion to curb the Army.

12[illegible]14[illegible]”[illegible]”[illegible]17[illegible]

Dr. Bates testified that the terror was intense for two and one-half to three weeks, and was serious six to seven weeks following the fall of the city.

Bates[illegible]

Smythe, the Secretary of the Int. Committee for the Safety Zone, filed two protests a day for the first six weeks.

[illegible]Smythe[illegible]

MATSUI, who had remained in a rear area until 17 December, made a triumphal entry into the city on that day, and on 18 December held a religious service for the dead, after which he issued a statement in the course of which he said: “I extend much sympathy to millions of innocent people in the Kiangpei and Chekiang districts, who suffered the evils of war. Now the flag of the rising sun is floating high over Nanking, and the Imperial Way is shining in the southern parts of the Yangtze-Kiang. The dawn of the renaissance of the East is on the verge of offering itself. On this occasion, I hope for reconsideration of the situation by the 400 million people of China.” MATSUI remained in the city for nearly a week.

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MUTO, then a colonel, had joined MATSUI’s staff on 10 November 1937, and was with MATSUI during the drive on Nanking and participated in the triumphal entry and occupation of the city. Both he and MATSUI admit that they heard of the atrocities being committed in the city during their stay at rear headquarters after the fall of the city. MATSUI admits that he heard that foreign governments were protesting against the commission of these atrocities. No effective action was taken to remedy the situation. Evidence was given before the Tribunal by an eye witness, that while MATSUI was in Nanking on the 19th of December, the business section of the city was in flames. On that day, the witness counted fourteen fires in the principal business street zone. After the entry of MATSUI and MUTO into the city, the situation did not improve for weeks.

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Members of the Diplomatic Corps and Press and the Japanese Embassy in Nanking sent out reports detailing the atrocities being committed in and around Nanking. The Japanese Minister-at-Large to China, Ito, Nobofumi, was in Shanghai from September 1937 to February 1938. He received reports from the Japanese Embassy in Nanking and from members of the Diplomatic Corps and Press regarding the conduct of the Japanese troops and sent a resume of the reports to the Japanese Foreign Minister, HIROTA. These

reports, as well as many others giving information of the atrocities committed at Nanking, which were forwarded by members of the Japanese diplomatic officials in China, were forwarded by HIROTA to the War Ministry of which UMEZU was Vice-Minister. They were discussed at Liaison Conferences, which were normally attended by the Prime Minister, War and Navy Ministers, Foreign Minister HIROTA, Finance Minister KAYA, and the Chiefs of the Army and Navy General Staffs.

[illegible] Nobofumi Ito [illegible] 1937 [illegible] 9 [illegible] 1938 [illegible] 2 [illegible]

News reports of the atrocities were widespread. MInAMI, who was serving as Governor-General of Korea at the time, admits that he read these reports in the Press. Following these unfavorable reports and the pressure of public opinion aroused in nations all over the world, the Japanese GOvernment recalled MATSUI and approximately 80 of his officers, but took no action to punish any of them. MATSUI, after his return to Japan on 5 March 1938, was appointed a Cabinet Councillor and 0n 29 April 1940, was decorated by the Japanese Government for “meritorious services” in the China War. MATSUI, in explaining his recall, says that he was not replaced by HATA because of the atrocities committed by his troops at Nanking, but because he considered his work ended at Nanking and wished to retire from the Army. He was never punished.

[illegible] MInAMI [illegible] 80 [illegible] 1938 [illegible] 3 [illegible] 5 [illegible] 1940 [illegible] 4 [illegible] 29 [illegible]

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The barbarous behaviour of the Japanese Army cannot be excused as the acts of a soldiery which had temporarily gotten out of hand when at last a stubbornly defended position had capitulated — rape, arson and murder continued to be committed on a large scale for at least six weeks after the city had been taken and for at least four weeks after MATSUI and MUTO had entered the city.

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The new Japanese garrison Commander at Nanking, General Amaya, on 5 February 1938, at the Japanese Embassy in Nanking, made a statement to the Foreign diplomatic corps criticizing the attitude of the foreigners who had been sending abroad reports of Japanese atrocities at Nanking and upbraiding them for encouraging anti-Japanese feeling. This statement by Amaya reflected the attitude of the Japanese Military toward foreigners in China, who were hostile to the Japanese policy of waging an unrestrained punitive war against the people of China.

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[illegible]10[illegible] * fifth-column * gazpacho * agog * horripilation * simian * fug * opus * salad days | * abscond | * Kew Gardens

[illegible]

The Shrieking of the Monkeys

[illegible]

[illegible]John Andreini

[illegible]

Savannah. August. A midsummer fug envelops the usual early afternoon crowd of reprobates taking up space in the Shark Tooth Bar. The air is stale, unhealthy. I'm here recovering from a two-day salted nut roll binge, the sugar still coursing through my veins, sitting alone at my usual table. Actually, this is my office. My name is Brock Holberman, private investigator.

[illegible]Savannah[illegible]Shark Tooth[illegible]

[illegible]
Brock Holberman[illegible]

A beautiful but nervous doll nearby keeps glancing my way. She has trouble written all over her, and a number of other odd tattoos, but I ignore her, stirring my gazpacho.

[illegible]

Then the raven-haired tomato sashays over to my table like she's walking down a fashion show runway.

[illegible]T[illegible]

“What's the matter? Don't you like gazpacho?” she asks.

“[illegible]”[illegible]

“I'm waiting for it to cool.”

“[illegible]”

She leans down. I smell lavender and tuna salad. “It's supposed to be cold,” she whispers.

[illegible]”[illegible]”[illegible]

“Do we know each other?”

“[illegible]”

“I know you by reputation, Mr. Holberman. The Opus murders?”

“[illegible]Holberman[illegible]”

“I got lucky. The tenor sang.”

“[illegible]”

“But you were the star of the show.” She sits sans invitation. “Claire Robin. I have a case, if you have the time.”

“[illegible]”[illegible]”[illegible]Claire Robin[illegible]”

I knock my cup of coffee into my lap and stifle a scream. “A…case. I’m listening.”

[illegible]”[illegible]……[illegible]”

“My late husband William Robin was the Duke of Hemmels-on-Taddemshire. We were living in Britain two years ago when he was brutally murdered at Kew Gardens by a man known only as The Simian.”

“[illegible]William Robin[illegible]Hemmels-on-Taddemshire[illegible]’[illegible]’[illegible]”

“The Simian.”I helped put that big ape in the Big House.

“[illegible]”[illegible]

“He’s out and he’s here in Savannah. I need you to get the goods on him.” She scribbles on a piece of paper. “He’s living in a trailer down by the river. Here’s the address.”

“[illegible]Savannah[illegible]”[illegible]”[illegible]”

I suddenly have a bad case of horripilation. Was I being set up?

[illegible]

“Is this on the level?” I ask.

“□□□□□□”□□□□

“What do you think?”

“□□□□□”

“I think recycling is a good idea.”

“□□□□□□□□□□□□□”

She slips me an envelope and stands. “Your retainer. Finish your gazpacho before it gets warm.”

□□□□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□”

I thumb through the contents of the envelope: five hundred bucks and two tickets to Sesame Street on Ice. Not bad.

□□□□□□□□□□□500□□□□□□□□□□□□□□□□□□□

I find The Simian’s trailer and it reminds me of my own salad days living out of an Airstream making money hand over fist as a freelance sheepherder.

□□

It doesn’t take long for The Simian to make an appearance. He slips out of his trailer at 10:05 a.m. wearing a banana suit. Strange, I think. Why 10:05? I follow my bright yellow suspect to the city zoo where he spends the next hour taunting the spider monkeys. That pervert’s going down, I promise myself.

□□□□□□□□□□□□□□10□05□□□□□□□□□□□□□□□□□□□□□□□□□□10□05□□

I head back to his trailer for a little snoop work. The place is a mess and smells of wet fur. Books are strewn about. One catches my eye. The Fifth Column: And Four Stories of the Spanish Civil War by Ernest Hemmingway. Funny. “Hemmingway” doesn’t sound like a Spanish name.

[illegible]”[illegible]”[illegible]

Then I hit pay dirt. In an envelope taped under a table, I find photos of The Simian, dressed in his banana suit, holding hands with Lady Robin, who’s wearing a Mr. Peanut costume. Then it all falls into place.

[illegible]Robin[illegible]

I abscond with the photos and head back to the Shark Tooth. Fortunately, Claire is at the bar enjoying a glass of Ovaltine. After ordering my regular, I pounce.

[illegible]Shark Tooth[illegible]Robin[illegible]

“Mrs. Robin. Or should I say, Mrs. Peanut?”

“Robin[illegible]”

“I don’t know what you’re talking about.”

“[illegible]”

I slam the photos down on the bar. “That’s what I’m talking about.” The bartender is agog at the images, but I quickly get rid of him with an order for Yak milk. “You didn’t think I’d find out about your…appetites.”

[illegible]”[illegible]”[illegible]”[illegible]……[illegible]”

Claire squirmed. “So I like to dress up like a peanut. That doesn’t prove anything.”

Robin[illegible]”[illegible]”

I hold up a piece of paper. “Ah, but this does. It’s a letter written and mailed by your husband only hours before his death. It names names”

[illegible]”[illegible]”

Several of Savannah’s finest enter and join us at the bar. The ice woman finally cracks.

[illegible]Savannah[illegible]

“That lousy…. He was going to expose us. Humiliate us in front of the entire world. All I wanted to do was hear the monkeys shriek.”

“[illegible]……[illegible]”

“And once banana boy was out of the picture, keep all the inheritance for yourself.” The cops cuff her. “Now you’re going to find out what it’s like on the other side of the bars, Peanut Butter. Take her away. My gazpacho’s getting cold.”

“[illegible]”[illegible]”[illegible]”

[[illegible]]

* ` [illegible]John

Andreini□□ <http://larsenidealog.com/2007/10/15/interview-with-john-andreini-first-place-winner-in-the-answerscom-creative-writing-challenge/>`__ | * □□□□□□

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Richard Nixon’s Farewell Speech to White House Staff

[illegible]·[illegible]

1974[illegible]8[illegible]9[illegible]

[illegible] [illegible]

Members of the Cabinet, Members of the White House Staff, all of our friends here:

[illegible]

I think the record should show that this is one of those spontaneous things that we always arrange whenever the President comes in to speak, and it will be so reported in the

press, and we don’t mind because they have to call it as they see it. But on our part, believe me, it is spontaneous.

[illegible]

You are here to say good-bye to us, and we don’t have a good word for it in English. The best is au revoir. We will see you again. I just met with the members of the White House staff, you know, those who serve here in the White House day in and day out, and I asked them to do what I ask all of you to do to the extent that you can and, of course, are requested to do so: to serve our next President as you have served me and previous Presidents — because many of you have been here for many years — with devotion and dedication, because this office, great as it is, can only be as great as the men and women who work for and with the President.

[illegible]au revoir[illegible]

This house, for example, I was thinking of it as we walked down this hall, and I was comparing it to some of the great houses of the world that I have been in. This isn’t the biggest house. Many, and most, in even smaller countries are much bigger. This isn’t the finest house. Many in Europe, particularly, and in China, Asia, have paintings of great, great value, things that we just don’t have here, and probably will never have until we are 1,000 years old or older.

[illegible]1000[illegible]

But this is the best house. It is the best house because it has something far more important than numbers of people who serve, far more important than numbers of rooms or how big it is, far more important than numbers of magnificent pieces of art.

[illegible]

This house has a great heart, and that heart comes from those who serve. I was rather sorry they didn’t come down. We said good-bye to them upstairs. But they are really great. And I recall after so many times I have made speeches, and some of them pretty tough, yet, I always come back, or after a hard day — and my days usually have run rather long — I would always get a lift from them because I might be a little down, but they always smiled.

[illegible]

And so it is with you. I look around here, and I see so many on this staff that, you know, I should have been by your offices and shaken hands, and I would love to have talked to you and found out how to run the world — everybody wants to tell the President what to do, and boy he needs to be told many times — but I just haven’t had the time. But I want you know that each and everyone of you, I know, is indispensable to this Government. I am proud of this Cabinet. I am proud of all the members who have served in

our Cabinet. I am proud of our sub-cabinet. I am proud of our White House staff. As I pointed out last night, sure we have done some things wrong in this Administration, and the top man always takes the responsibility, and I have never ducked it. But I want to say one thing: We can be proud of it — 5 1/2 years. No man or no woman came into this administration and left it with more of this world’s goods than when he came in. No man or no woman ever profited at that public expense or the public till. That tells something about you.

[illegible]

Mistakes, yes. But for personal gain, never. You did what you believed in. Sometimes right, sometimes wrong. And I only wish that i were a wealthy man — at the present time I have got to find a way to pay my taxes — [laughter] — and if I were, I would like to recompense you for the sacrifices that all have made to serve in Government.

[illegible]

But you are getting something in Government — and I want you to tell this to your children, and I hope the nation’s children will hear it, too — something in Government service that is far more important than money. It is a cause bigger than yourself. It is the cause of making this the greatest

nation in the world, the leader of the world, because without our leadership the world will know nothing but war, possible starvation, or worse, in the years ahead. With our leadership it will know peace, it will know plenty.

[illegible]

We have been generous, and we will be more generous in the future as we are able to. But most important, we must be strong here, strong in our hearts, strong in our souls, strong in our belief, and strong in our willingness to sacrifice, as you have been willing to sacrifice, in a pecuniary way, to serve in Government.

[illegible]

There is something else I would like for you to tell your young people. You know, people often come in and say, “What will I tell my kids?” They look at government and say it is sort of a rugged life, and they see the mistakes that are made. They get the impression that everybody is here for the purpose of feathering his nest. That is why I made this earlier point — not in this Administration, no one single man or woman.

[illegible]

And I say to them, “There are many fine careers. This country needs good farmers, good businessmen, good

plumbers, good carpenters.” I remembered my old man. I think that they would have called him sort of a little man, common man. He didn’t consider himself that way. You know what he was? he was a streetcar motorman first, and the he was a farmer, and then he had a lemon ranch. It was the poorest lemon ranch in California, I can assure you. He sold it before they found oil on it. [Laughter] And then he was a grocer. But he was a great man because he did his job, and every job counts up to the hilt, regardless of what happens.

[illegible]

Nobody will ever write a book, probably, about my mother. Well, I guess all of you would say this about your mother — my mother was a saint. And I think of her, two boys dying to tuberculosis, nursing four others in order that she could take care of my older brother for 3 years in Arizona, and seeing each of them die, and when they died, it was like one of her own. Yes, she will have no books written about her. But she was a saint.

[illegible]

Now, however, we look to the future. I had a little quote in the speech last night from T.R. As you know, I kind of like to read books. I am not educated, but I do read books — [laughter] — and the T.R. quote was a pretty good one. Here is another one I found as I was reading, my last night in the White House, and this quote is about a young man. He was

a young lawyer in New York. He had married a beautiful girl, and they had a lovely daughter, and then suddenly she died, and this is what he wrote. This was in his diary.

[illegible]

He said: “She was beautiful in face and from and lovelier still in spirit. As a flower she grew and as a fair young flower she died. her life had been always in the sunshine. There had never come to her a single great sorrow. None ever knew her who did not love and revere her for her bright and sunny temper and her saintly unselfishness. Fair, pure and joyous as a maiden, loving, tender and happy as a young wife. When she had just become a mother, when her life seemed to be just begun and when the years seemed so bright before her, then by a strange and terrible fare death came to her. And when my heart’s dearest died, the light went from my life forever.”

[illegible]

That was T.R. in his twenties. He thought the light had gone from his life forever — but he went on. and he not only became President but, as an ex-President, he served his country always in the arena, tempestuous, strong, sometimes wrong, sometimes right, but he was a man.

[illegible]

And as I leave, let me say, that is an example I think all of us should remember. We think sometimes when things happen that don't go the right way; we think that when you don't pass the bar exam the first time — I happened to, but I was just lucky; I mean my writing was so poor that bar examiner said, "We have just got to let the guy through." [Laughter] We think that when someone dear to us dies, we think that when we lose an election, we think that when we suffer defeat, that all is ended. We think, as T.R. said, that the light had left his life forever.

[illegible]

Not true. It is only a beginning always. The young must know it; the old must know it. It must always sustain us because the greatness comes not when things go always good for you, but the greatness comes when you are really tested, when you take some knocks, some disappointments, when sadness comes, because only if you have been in the deepest valley can you ever know how magnificent it is to be at the highest mountain.

[illegible]

And so I say to you on this occasion, as we leave, we leave proud of the people who have stood by us and worked for us

and served this country. We want you to be proud of what you have done. We want you to continue to serve in Government, if that is your wish. **Always give your best, never get discouraged, never be petty; always remember other may hate you, but those who hate you don't win unless you hate them, and then you destroy yourself.**

[illegible]

And so, we leave with high hopes, in good spirit and with deep humility, and with very much gratefulness in our hearts. I can only say to each and every one of you, we come from many faiths, we pray perhaps to different gods, but really the same God in a sense, but I want to say for each and every one of you, not only will we always remember you, not only will we always be grateful to you but always you will be in our hearts and you will be in our prayers.

[illegible]

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[illegible]”Ocean Deep”[illegible]

[illegible]

[illegible]Cliff [illegible]Cliff Richard[illegible]Youtube[illegible]Youku[illegible]mp3[illegible]

OCEAN DEEP

[illegible]

by CLIFF RICHARD

[illegible]

Love , can’t you see I’m alone Can’t you give this fool a chance A

little love is all I ask A little kindness in the night Please don’t leave me behind No , don’t tell me love is blind | A little love is all I ask | And that is all

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] | [illegible] | [illegible]

Ooh love , I've been searchin' so long I've been searchin' high and

low And little love is all I ask A little sadness when you go Maybe you'll need a friend Only please don't let's pretend | A little love is all I ask | And that is all

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** I wanna spread my wings But I just can't fly
As a string of pearls
The pretty girls go sailin' by
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□□□□□□□
□□□□□□□□□□□
Ocean deep I'm so afraid to show my feelings
I have sailed a million ceilings
Solitary room
□□□□□□ □□□□□□□□□□□
□□□□□□□□□□□□□
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Ocean deep Will I ever find a lover Maybe she has found another
And as I cry myself to sleep
I know this love of mine I'll keep
□□□□□□ □□□□□□□□□□ □□□□□□□□□□□□□
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Ocean deep Now , can't you hear when I call Can't you hear the word I

say A little love is all I ask A little feelin' when we touch Why am I still alone I've got a heart without a home | A little love is all I ask | And that is all

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] | [illegible] | [illegible]

Repeat **

Repeat ##

I’m so lonely , lonely , lonely (Ocean deep) On my own in my room I’m

so lonely | (Ocean deep) | I’m so lonely , I’m so lonely …

[illegible] [illegible] [illegible] [illegible]
[illegible]
[illegible]

[[illegible]]

* Ocean Deep Cliff Richard

[illegible]

Note

[illegible]:
http://www.ruanyifeng.com/blog/2007/08/ocean_deep.html
[illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

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ruanyifeng.com

[illegible]·[illegible]6[illegible]7[illegible]

[illegible]·[illegible]

[illegible]·[illegible]

2007[illegible]6[illegible]7[illegible]

[illegible] [illegible]

|bm2007080101.jpg|

President Bok, former President Rudenstine, incoming President Faust, members of the Harvard Corporation and the Board of Overseers, members of the faculty, parents, and especially, the graduates:

[illegible]Bok[illegible]Rudenstine[illegible]Faust[illegible]

I’ve been waiting more than 30 years to say this: “Dad, I always told you I’d come back and get my degree.”

[illegible]”[illegible]”

I want to thank Harvard for this timely honor. I’ll be changing my job next year … and it will be nice to finally have a college degree on my resume.

[illegible]

I applaud the graduates today for taking a much more direct route to your degrees. For my part, I'm just happy that the Crimson has called me "Harvard's most successful dropout." I guess that makes me valedictorian of my own special class … I did the best of everyone who failed.

[illegible]

But I also want to be recognized as the guy who got Steve Ballmer to drop out of business school. I'm a bad influence. That's why I was invited to speak at your graduation. If I had spoken at your orientation, fewer of you might be here today.

[illegible] Steve Ballmer [illegible]

Harvard was just a phenomenal experience for me. Academic life was fascinating. I used to sit in on lots of classes I hadn't even signed up for. And dorm life was terrific. I lived up at Radcliffe, in Currier House. There were always lots of people in my dorm room late at night discussing things, because everyone knew I didn't worry about getting up in the morning. That's how I came to be the leader of the anti-social group. We clung to each other as a way of validating our rejection of all those social people.

[illegible] Radcliffe [illegible]

Radcliffe was a great place to live. There were more women up there, and most of the guys were science-math types. That combination offered me the best odds, if you know what I mean. This is where I learned the sad lesson that improving your odds doesn't guarantee success.

Radcliffe[illegible]

One of my biggest memories of Harvard came in January 1975, when I made a call from Currier House to a company in Albuquerque that had begun making the world's first personal computers. I offered to sell them software.

[illegible]1975[illegible]1[illegible]Albuquerque[illegible]

I worried that they would realize I was just a student in a dorm and hang up on me. Instead they said: "We're not quite ready, come see us in a month," which was a good thing, because we hadn't written the software yet. From that moment, I worked day and night on this little extra credit project that marked the end of my college education and the beginning of a remarkable journey with Microsoft.

[illegible]"[illegible]"[illegible]

What I remember above all about Harvard was being in the midst of so much energy and intelligence. It could be exhilarating, intimidating, sometimes even discouraging, but always challenging. It was an amazing privilege - and though I left early, I was transformed by my years at Harvard, the friendships I made, and the ideas I worked on.

[illegible]

But taking a serious look back … I do have one big regret.

[illegible]

I left Harvard with no real awareness of the awful inequities in the world - the appalling disparities of health, and wealth, and opportunity that condemn millions of people to lives of despair.

[illegible]

I learned a lot here at Harvard about new ideas in economics and politics. I got great exposure to the advances being made in the sciences.

[illegible]

But humanity’s greatest advances are not in its discoveries - but in how those discoveries are applied to reduce inequity. Whether through democracy, strong public education, quality health care, or broad economic opportunity - reducing inequity is the highest human achievement.

[illegible]

I left campus knowing little about the millions of young people cheated out of educational opportunities here in this country. And I knew nothing about the millions of people living in unspeakable poverty and disease in developing countries.

[illegible]

It took me decades to find out.

[illegible]

You graduates came to Harvard at a different time. You know more about the world's inequities than the classes that came before. In your years here, I hope you've had a chance to think about how - in this age of accelerating technology - we can finally take on these inequities, and we can solve them.

[illegible]

Imagine, just for the sake of discussion, that you had a few hours a week and a few dollars a month to donate to a cause - and you wanted to spend that time and money where it would have the greatest impact in saving and improving lives. Where would you spend it?

[illegible]——[illegible]

For Melinda and for me, the challenge is the same: how can we do the most good for the greatest number with the resources we have.

[illegible]Melinda[illegible]

During our discussions on this question, Melinda and I read an article about the millions of children who were dying every year in poor countries from diseases that we had long

ago made harmless in this country. Measles, malaria, pneumonia, hepatitis B, yellow fever. One disease I had never even heard of, rotavirus, was killing half a million kids each year - none of them in the United States.

[illegible]Melinda[illegible]50[illegible]

We were shocked. We had just assumed that if millions of children were dying and they could be saved, the world would make it a priority to discover and deliver the medicines to save them. But it did not. For under a dollar, there were interventions that could save lives that just weren't being delivered.

[illegible]

If you believe that every life has equal value, it's revolting to learn that some lives are seen as worth saving and others are not. We said to ourselves: "This can't be true. But if it is true, it deserves to be the priority of our giving."

[illegible]"[illegible]"

So we began our work in the same way anyone here would begin it. We asked: "How could the world let these children die?"

[illegible]"[illegible]"

The answer is simple, and harsh. The market did not reward saving the lives of these children, and governments did not subsidize it. So the children died because their mothers and

their fathers had no power in the market and no voice in the system.

[illegible]

But you and I have both.

[illegible]

We can make market forces work better for the poor if we can develop a more creative capitalism - if we can stretch the reach of market forces so that more people can make a profit, or at least make a living, serving people who are suffering from the worst inequities. We also can press governments around the world to spend taxpayer money in ways that better reflect the values of the people who pay the taxes.

[illegible]——[illegible]——[illegible]

If we can find approaches that meet the needs of the poor in ways that generate profits for business and votes for politicians, we will have found a sustainable way to reduce inequity in the world. This task is open-ended. It can never be finished. But a conscious effort to answer this challenge will change the world.

[illegible]

I am optimistic that we can do this, but I talk to skeptics who claim there is no hope. They say: “Inequity has been with us

since the beginning, and will be with us till the end - because people just … don’t … care.” I completely disagree.

[illegible]

I believe we have more caring than we know what to do with.

[illegible]

All of us here in this Yard, at one time or another, have seen human tragedies that broke our hearts, and yet we did nothing - not because we didn’t care, but because we didn’t know what to do. If we had known how to help, we would have acted.

[illegible]

The barrier to change is not too little caring; it is too much complexity.

[illegible]

To turn caring into action, we need to see a problem, see a solution, and see the impact. But complexity blocks all three steps.

[illegible]

Even with the advent of the Internet and 24-hour news, it is still a complex enterprise to get people to truly see the problems. When an airplane crashes, officials immediately call a press conference. They promise to investigate,

determine the cause, and prevent similar crashes in the future.

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But if the officials were brutally honest, they would say: “Of all the people in the world who died today from preventable causes, one half of one percent of them were on this plane. We’re determined to do everything possible to solve the problem that took the lives of the one half of one percent.”

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The bigger problem is not the plane crash, but the millions of preventable deaths.

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We don’t read much about these deaths. The media covers what’s new - and millions of people dying is nothing new. So it stays in the background, where it’s easier to ignore. But even when we do see it or read about it, it’s difficult to keep our eyes on the problem. It’s hard to look at suffering if the situation is so complex that we don’t know how to help. And so we look away.

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If we can really see a problem, which is the first step, we come to the second step: cutting through the complexity to find a solution.

[illegible]

Finding solutions is essential if we want to make the most of our caring. If we have clear and proven answers anytime an organization or individual asks “How can I help?,” then we can get action - and we can make sure that none of the caring in the world is wasted. But complexity makes it hard to mark a path of action for everyone who cares — and that makes it hard for their caring to matter.

[illegible]

Cutting through complexity to find a solution runs through four predictable stages: determine a goal, find the highest-leverage approach, discover the ideal technology for that approach, and in the meantime, make the smartest application of the technology that you already have — whether it’s something sophisticated, like a drug, or something simpler, like a bednet.

[illegible]

The AIDS epidemic offers an example. The broad goal, of course, is to end the disease. The highest-leverage approach is prevention. The ideal technology would be a vaccine that gives lifetime immunity with a single dose. So governments, drug companies, and foundations fund vaccine research. But their work is likely to take more than a decade, so in the meantime, we have to work with what we have in hand - and the best prevention approach we have now is getting people to avoid risky behavior.

Pursuing that goal starts the four-step cycle again. This is the pattern. The crucial thing is to never stop thinking and working - and never do what we did with malaria and tuberculosis in the 20th century - which is to surrender to complexity and quit.

The final step - after seeing the problem and finding an approach - is to measure the impact of your work and share your successes and failures so that others learn from your efforts.

You have to have the statistics, of course. You have to be able to show that a program is vaccinating millions more children. You have to be able to show a decline in the number of children dying from these diseases. This is essential not just to improve the program, but also to help draw more investment from business and government.

But if you want to inspire people to participate, you have to show more than numbers; you have to convey the human impact of the work - so people can feel what saving a life means to the families affected.

[illegible]

I remember going to Davos some years back and sitting on a global health panel that was discussing ways to save millions of lives. Millions! Think of the thrill of saving just one person’s life - then multiply that by millions. … Yet this was the most boring panel I’ve ever been on - ever. So boring even I couldn’t bear it.

[illegible]……[illegible]

What made that experience especially striking was that I had just come from an event where we were introducing version 13 of some piece of software, and we had people jumping and shouting with excitement. I love getting people excited about software - but why can’t we generate even more excitement for saving lives?

[illegible]13[illegible]

You can’t get people excited unless you can help them see and feel the impact. And how you do that - is a complex question.

[illegible]

Still, I’m optimistic. Yes, inequity has been with us forever, but the new tools we have to cut through complexity have not been with us forever. They are new - they can help us make the most of our caring - and that’s why the future can be different from the past.

[illegible]

The defining and ongoing innovations of this age - biotechnology, the computer, the Internet - give us a chance we’ve never had before to end extreme poverty and end death from preventable disease.

[illegible]——[illegible]——[illegible]

Sixty years ago, George Marshall came to this commencement and announced a plan to assist the nations of post-war Europe. He said: “I think one difficulty is that the problem is one of such enormous complexity that the very mass of facts presented to the public by press and radio make it exceedingly difficult for the man in the street to reach a clear appraisement of the situation. It is virtually impossible at this distance to grasp at all the real significance of the situation.”

[illegible]·[illegible]”[illegible]”

Thirty years after Marshall made his address, as my class graduated without me, technology was emerging that would make the world smaller, more open, more visible, less distant.

[illegible]

The emergence of low-cost personal computers gave rise to a powerful network that has transformed opportunities for learning and communicating.

[illegible]

The magical thing about this network is not just that it collapses distance and makes everyone your neighbor. It also dramatically increases the number of brilliant minds we can have working together on the same problem - and that scales up the rate of innovation to a staggering degree.

[illegible]

At the same time, for every person in the world who has access to this technology, five people don’t. That means many creative minds are left out of this discussion — smart people with practical intelligence and relevant experience who don’t have the technology to hone their talents or contribute their ideas to the world.

[illegible]

We need as many people as possible to have access to this technology, because these advances are triggering a revolution in what human beings can do for one another. They are making it possible not just for national governments, but for universities, corporations, smaller organizations, and even individuals to see problems, see approaches, and measure the impact of their efforts to address the hunger, poverty, and desperation George Marshall spoke of 60 years ago.

[illegible]——[illegible]

Members of the Harvard Family: Here in the Yard is one of the great collections of intellectual talent in the world.

[illegible]

What for?

[illegible]

There is no question that the faculty, the alumni, the students, and the benefactors of Harvard have used their power to improve the lives of people here and around the world. But can we do more? Can Harvard dedicate its intellect to improving the lives of people who will never even hear its name?

[illegible]

Let me make a request of the deans and the professors - the intellectual leaders here at Harvard: As you hire new faculty, award tenure, review curriculum, and determine degree requirements, please ask yourselves:

[illegible]

Should our best minds be dedicated to solving our biggest problems?

[illegible]

Should Harvard encourage its faculty to take on the world’s worst inequities? Should Harvard students learn about the depth of global poverty … the prevalence of world hunger …

the scarcity of clean water …the girls kept out of school … the children who die from diseases we can cure?

[illegible]……[illegible]……[illegible]……[illegible]……[illegible]……[illegible]

Should the world’s most privileged people learn about the lives of the world’s least privileged?

[illegible]

These are not rhetorical questions - you will answer with your policies.

[illegible]

My mother, who was filled with pride the day I was admitted here - never stopped pressing me to do more for others. A few days before my wedding, she hosted a bridal event, at which she read aloud a letter about marriage that she had written to Melinda. My mother was very ill with cancer at the time, but she saw one more opportunity to deliver her message, and at the close of the letter she said: “From those to whom much is given, much is expected.”

[illegible] Melinda[illegible]”[illegible]”

When you consider what those of us here in this Yard have been given - in talent, privilege, and opportunity - there is almost no limit to what the world has a right to expect from us.

[illegible]——[illegible]——[illegible]

In line with the promise of this age, I want to exhort each of the graduates here to take on an issue - a complex problem, a deep inequity, and become a specialist on it. If you make it the focus of your career, that would be phenomenal. But you don’t have to do that to make an impact. For a few hours every week, you can use the growing power of the Internet to get informed, find others with the same interests, see the barriers, and find ways to cut through them.

[illegible]

Don’t let complexity stop you. Be activists. Take on the big inequities. It will be one of the great experiences of your lives.

[illegible]

You graduates are coming of age in an amazing time. As you leave Harvard, you have technology that members of my class never had. You have awareness of global inequity, which we did not have. And with that awareness, you likely also have an informed conscience that will torment you if you abandon these people whose lives you could change with very little effort. You have more than we had; you must start sooner, and carry on longer.

[illegible]

Knowing what you know, how could you not?

[illegible]

And I hope you will come back here to Harvard 30 years from now and reflect on what you have done with your talent and your energy. I hope you will judge yourselves not on your professional accomplishments alone, but also on how well you have addressed the world's deepest inequities … on how well you treated people a world away who have nothing in common with you but their humanity.

[illegible]30[illegible]

Good luck.

[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2007/08/remarks_of_bill_gates_in_harvard_commencement_2007.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Emily Dickinson[illegible]My Life Closed Twice Before Its Close[illegible]

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[illegible]

MY life closed twice before its close; It yet remains to see
If Immortality unveil
A third event to me,
So huge, so hopeless to conceive, As these that twice befell.
Parting is all we know of heaven,
And all we need of hell.

by Emily Dickinson (1830-86)

[illegible]Google[illegible]44[illegible]9000[illegible]

[illegible]

[illegible] [illegible]
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[illegible]
[illegible]

—— [illegible]·[illegible]1830-1886[illegible]

□□□□□□

□□

If you want to know of heaven, all you need is parting;
If you want to know of hell,
all you need is parting.

□□□

Note

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http://www.ruanyifeng.com/blog/2007/06/my_life_closed_twice_before_its_close_by_emily_dickinson.html □□: □□□

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[illegible]

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[illegible]

[illegible]

When a change comes,

[illegible]

some species feel the urge to migrate.

[illegible]

They call it zugunruhe.

[illegible]”[illegible]”[illegible]

The pull of the soul to a far-off place.

[illegible]

Following a scent in the wind,

[illegible]

a star in the sky.

[illegible]

[illegible]

The ancient message comes,

[illegible]

calling the kindred to take flight and to gather together.

[illegible]

Only then can they hope

[illegible]

to survive the cruel season to come.

[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2007/05/cruel_season_to_come.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

[illegible]Before Sunset[illegible]

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[illegible][illegible][illegible]Before Sunrise[illegible]

[illegible]9[illegible]

[illegible]9[illegible]9[illegible]

9[illegible]9[illegible]

[illegible]**8.5 / 10**

[illegible]

1. [illegible]

   [illegible]……[illegible]

Journalist #1: Do you consider the book to be autobiographical?

Jesse: Uh, well, I mean… isn’t everything autobiographical?

2. [illegible]

Jesse: [about his marriage] I feel like I’m running a small nursery with someone I used to date.

3. [illegible]……[illegible]……[illegible]

   [illegible]

Celine: Do I look any different?

[long pause]

Celine: I do?

Jesse: I'd have to see you naked.

4. [illegible]13[illegible]

   [illegible]11[illegible]

   [illegible]

Jesse: In the months leading up to my wedding, I was thinking about you all the time. I mean, even on my way there; I'm in the car, a buddy of mine is driving me downtown and I'm staring out the window, and I think I see you, not far from the church, right? Folding up an umbrella and walking into a deli on the corner of 13th and Broadway. And I thought I was going crazy, but now I think it probably was you.

Celine: I lived on 11th and Broadway.

Jesse: You see?

5. [illegible]

Jesse: Life's hard. It's supposed to be. If we didn't suffer, we'd never learn anything.

[illegible]

Note

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http://www.ruanyifeng.com/blog/2007/02/before_sunset.html □□: □□□

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[illegible]GO, and catch a falling star[illegible]

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[illegible]·[illegible]John Donne[illegible]1572-1631[illegible]GO, and catch a falling star[illegible]

[illegible]

[[illegible]][illegible]·[illegible]

[illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] | [illegible] | [illegible]

[illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] | [illegible] | [illegible]

[illegible] [illegible]

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[illegible] [illegible]2006[illegible]8[illegible]18[illegible]

[illegible]

[illegible]

Song

John Donne

GO and catch a falling star, Get with child a mandrake root, Tell me

where all past years are, Or who cleft the devil’s foot, Teach me to hear mermaids singing, Or to keep off envy’s stinging, And find | What wind | Serves to advance an honest mind.

If thou be’st born to strange sights, Things invisible to see, Ride

ten thousand days and nights, Till age snow white hairs on thee, Thou, when thou return’st, wilt tell me, All strange wonders that befell thee, And swear, | No where | Lives a woman true and fair.

If thou find’st one, let me know, Such a pilgrimage were sweet; Yet do

not, I would not go, Though at next door we might meet, Though she were true, when you met her, And last, till you write your letter, Yet she | Will be | False, ere I come, to two, or three.

Note

[illegible]:
http://www.ruanyifeng.com/blog/2006/08/go_and_catch_a_falling_star.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

[illegible]

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[illegible]1720[illegible][illegible]（Eloisa to Abelard，1713[illegible]

[illegible]

> [illegible] （Whitehall）[illegible]（Council Chamber）[illegible]1720[illegible]7[illegible]12[illegible]
>
> [illegible]（Board of Trade）[illegible]（his Majesty’s Attorney）[illegible]（Solicitor General）[illegible]

[illegible]

> At the Council Chamber, Whitehall, the 12th day of July, 1720. Present, their Excellencies the Lords Justices in Council.
>
> “Their Excellencies, the Lords Justices in council, taking into consideration the many inconveniences arising to the public from several projects set on foot for raising of joint stock for various purposes, and that a great many of his Majesty’s subjects have been drawn in to part with their money on pretence of assurances that their petitions for patents and charters, to enable them to carry on the same, would be granted: to prevent such

impositions, their Excellencies, this day, ordered the said several petitions, together with such reports from the Board of Trade, and from his Majesty’s Attorney and Solicitor General, as had been obtained thereon, to be laid before them, and after mature consideration thereof, were pleased, by advice of his Majesty’s Privy Council, to order that the said petitions be dismissed, which are as follow :

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[illegible]Tiny Dancer[illegible]

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[illegible]

[illegible]MP3 Player[illegible]Elton John[illegible]Tiny Dancer[illegible]
[illegible]Almost Famous[illegible]

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> [illegible]

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Wikipedia[illegible]

Baidu[illegible]

Tiny Dancer

[illegible]

[illegible]Elton John

[illegible]Bernie Taupin

Blue jean baby, L.A. lady, seamstress for the band Pretty eyed, pirate

smile, you’ll marry a music man | Ballerina, you must have seen her dancing in the sand | And now she’s in me, always with me, tiny dancer in my hand

[illegible]

[illegible] | [illegible] | [illegible]

Jesus freaks out in the street Handing tickets out for God
Turning back she just laughs
The boulevard is not that bad
[illegible] [illegible]
[illegible]
[illegible]
Piano man he makes his stand In the auditorium
Looking on she sings the songs
The words she knows, the tune she hums
[illegible] [illegible]
[illegible]
[illegible]
But oh how it feels so real Lying here with no one near
Only you and you can’t hear me
When I say softly, slowly
[illegible] [illegible]
[illegible]
[illegible]
Hold me closer tiny dancer Count the headlights on the highway
Lay me down in sheets of linen
you had a busy day today
[illegible] [illegible] [illegible]

[illegible] Blue jean baby, L.A. lady, seamstress for the band Pretty eyed, pirate smile, you’ll marry a music man |

Ballerina, you must have seen her dancing in the sand | And now she’s in me, always with me, tiny dancer in my hand

[illegible]

[illegible] | [illegible] | [illegible]

[illegible] [illegible]

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On His Blindness

When I consider how my light(1)is spent Ere half my days(2) in

this dark world and wide(3), And that one talent(4) which is death to hide(5) Lodged(6) with me useless, though my soul more bent(7) To serve therewith my Maker, (8) and present My true account, lest He, returning, chide, “Doth God exact day-labour, light denied?” (9) I fondly ask. (10) But Patience, to prevent That murmur, (11) soon(12) replies, “God doth not need Either man’s work or his own gifts. Who best Bear his mild yoke, they serve him best. (13) His state Is kingly: thousands(14) at his bidding speed | And post(15) o’er(16) land and ocean without rest; | They also serve who only stand and wait.” (17)

[□ □] □□□□1651□□□□□□1652□□□□□□□□□□□□(A Defenseof the English People)□□□□□□□□□□□

□□□□On His Blindness□□□□□□□□□□□(Thomas Newton)□1794—1752□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□blind□blindness□□

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(2) Ere half my days□before half my

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(3) dark world and wide□dark and wide world□□□□□□□□□□□□+□□□□□□

(4) And that one talent□and(when I consider how)that one talent□Talant□□□□□□□□□□□□□□□□□□·□□□□□(25□14—30)□□□□□□□□□□□□□□□□□□□□□□□□□□□talent□□□□□□□□□□□□talent□□□□□□□□□□□□□□□□□□□□□□□□□□□□□talent□□□□□light(□l□)□□□□□□□□□□□□□□(literary talent)□□□(□□)□□□□□□

(5)which is death to hide□□□□□to hide which is death(□□talent□□□□□)□□□□·□□□□□□□□□□□□□□talent□□□□□□”□□□□□□□□□□□□□□□□□□□□!”“□□□□”□□□outer darkness□□□□□□(□l□□72□□□3□□16□)□□□□utter darkness□□”□□”□□□□□□death□

6. Lodged□(is)lodged□

(7)though my soul more bent□though my soul (be) more bent□□□□□□□though□□□□be□□□□□□□bent□eager□

(8) To serve therewith my Maker□□□□□□□□□□□□□therewith□with which(□talent)□

(9) Doth God exact day-labour□light

denied?□□□□□□□□□□□□□□?□□□·□□□□(9□4)□□”We must work the works of him that sent me□while it is day□the night cometh□when no man can work”(□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□)□light denied□□□□□□□□□□□□□□□if light is denied□ (10)I fondly ask□fondly□□□foolishly□□□□□□□□□□□□□□□□□□l□8□□□□□□□□□□□□I fondly ask□”Doth God exact day-labour□light denied?” when I consider (a) how my light is spent ere half my days in this dark and wide world and (b)(how) that one talent□to hide which is death□(is)lodged with me useless□though | my soul(be)more bent to serve therewith my Maker□and (to) present my true account□lest he□returning□(should) chide(me)□

(11)to prevent□That murmur□□□□□□□□□□murmur□complaint□□□□□□□□□□□□□□□□

(12)soon□quickly□

(13)who best□Bear his mild yoke□they serve him best□□who□□□□□□□□□□□they□□□□□□□□□They who best bear his mild yoke serve him best□mild yoke□□□□□□□□□□□□□□□□□□□□□□□□□

□·□□□□□(11□30)□□”For my yoke is easy□and my burden is light”(□□□□□□□□□□□□□□□□□)□

(14)thousands□thousands(of angels)□□□□□□□□□□□□(□4□□□677□678□)□”millions of spiritual creatures walk the earth□Unseen□both when we wake and when wesleep”(□□□□□□□□□□□□□□□□□□□□□□□□□□[□□□□])□

(15)post□hasten□□□□

16. o’er□over□

(17)They also serve who only stand and wait□□who□□□□□□□□□□□they□□□□□□□□□□□They who only stand and wait also serve□□□□□□(□□)□□□□□□□□□□12□14□□□□□□□□□□□(They who only stand and wait)□□□□□□□□□(speed and post o’er land and ocean)□□□□□□□□□□□□□□□□□□□□”□□□□”□□□□□”□□□□”□□□□□□□□□□□□□□(at his bidding)□□□□□”□□□□”(□□)□□□”□□□□”(□□)□□□□□□□□□□□□□□□□□□□□□□□□□□□

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Sonnet XIX

(John Milton, 1608 - 1674)

Paradise Lost 1645 Poems

When I consider how my light is spent, Ere half my days, in this

dark world and wide, And that one talent which is death to hide Lodged with me useless, though my soul more bent To serve therewith my Maker, and present My true account, lest He returning chide, “Doth God exact day-labour, light denied?” I fondly ask; But patience, to prevent That murmur, soon replies “God doth not need Either man’s work or his own gifts. Who best Bear His mild yoke, they serve Him best. His state Is kingly: thousands at His bidding speed | And post o’er land and ocean without rest; | They also serve who only stand and wait.”

—— ” ” ——

[illegible]” [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]—— | [illegible]” | [illegible]

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[illegible]1[illegible]”[illegible]”[illegible]”One talent”[illegible]”[illegible]”[illegible]”[illegible]”[illegible] [illegible]

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[illegible]It’s a wonderful life[illegible]

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POTTER[illegible]

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POTTER[illegible]·[illegible]……

[illegible]Potter[illegible]

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[illegible]

[illegible]T. S. [illegible]T. S. Eliot[illegible]1888-1965[illegible]20[illegible]

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[illegible]J.[illegible].[illegible]The Love Song of J. Alfred Prufrock[illegible]

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[illegible]J.[illegible].[illegible]1910-1911[illegible]23[illegible]

[illegible]

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[illegible]J.[illegible].[illegible]

[illegible]

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> S’io credesse che mia risposta fosse A persona che mai tornasse al
>
> mondo, Questa fiamma staria senza piu scosse. Ma percioche giammai di questo fondo | Non torno vivo alcun, s’i’odo il vero, | Senza tema d’infamia ti rispondo.

[illegible].[illegible]27[illegible]61-66[illegible].[illegible]Count Guido da Montefeltro[illegible]

> [illegible]1999[illegible]

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[illegible]

[illegible]:

1 Let us go then, you and I,

2 When the evening is spread out against the sky

3 Like a patient etherized upon a table;

[illegible]
[illegible]
[illegible]”[illegible]”[illegible]
[illegible]
[illegible]
[illegible]”[illegible]”[illegible]

[illegible]1[illegible]”[illegible]”[illegible]Let us go then, you and I[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]2[illegible]3[illegible]

[illegible]2[illegible]”[illegible]”[illegible]

[illegible]:

4 Let us go, through certain half-deserted streets,

5 The muttering retreats

6 Of restless nights in one-night cheap hotels

7 And sawdust restaurants with oyster-shells:

[illegible] [illegible]
[illegible]
[illegible]

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□□□□□□□□□□□□□□□□□ The muttering of restless nights in one-night cheap hotels and sawdust restaurants with oyster-shells retreats.

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8 Streets that follow like a tedious argument

9 Of insidious intent

10 To lead you to an overwhelming question …

11 Oh, do not ask, “What is it?”

12 Let us go and make our visit.

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[illegible]…… | [illegible]”[illegible]” | [illegible]

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[illegible]”an overwhelming question”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]”[illegible]”[illegible]make our visit[illegible]

[illegible]:

13 In the room the women come and go

14 Talking of Michelangelo.

[illegible]
[illegible]
[illegible]
[illegible]

[illegible]

[illegible]:

15 The yellow fog that rubs its back upon the window-panes,

16 The yellow smoke that rubs its muzzle on the window-panes,

17 Licked its tongue into the corners of the evening,

18 Lingered upon the pools that stand in drains,

19 Let fall upon its back the soot that falls from chimneys,

20 Slipped by the terrace, made a sudden leap,

21 And seeing that it was a soft October night,

22 Curled once about the house, and fell asleep.

[illegible] [illegible]

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[illegible]15[illegible]16[illegible]Licked its tongue into the corners of the evening[illegible]

[illegible]18[illegible]the pools that stand in drains[illegible]pool[illegible]drain[illegible]”[illegible]”[illegible]

[illegible]19[illegible]Let the soot that falls from chimneys fall upon its back [illegible]”[illegible]”[illegible]its[illegible]the soot[illegible]

[illegible]20[illegible]terrace[illegible]

[illegible]21[illegible]seeing[illegible]saw[illegible]And[illegible] Licked / Lingered / Let / Slipped / And / Curled [illegible]

[illegible]22[illegible]”[illegible]”[illegible]Curled once about the house[illegible]once[illegible]”[illegible]”[illegible]

[illegible]

[illegible]:

23 And indeed there will be time

24 For the yellow smoke that slides along the street,

25 Rubbing its back upon the window-panes;

26 There will be time, there will be time

27 To prepare a face to meet the faces that you meet;

28 There will be time to murder and create,

29 And time for all the works and days of hands

30 That lift and drop a question on your plate;

31 Time for you and time for me,

32 And time yet for a hundred indecisions,

33 And for a hundred visions and revisions,

34 Before the taking of a toast and tea.

[illegible]

[illegible] | [illegible] | [illegible]

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[illegible]”[illegible]”[illegible]there will be time[illegible]

[illegible]”[illegible]”[illegible]

[illegible]24[illegible]25[illegible]

[illegible]27[illegible]”[illegible]”[illegible]To prepare a face to meet the faces that you meet[illegible]

[illegible]28[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

[illegible]29[illegible]works and days[illegible]Hesiod[illegible]lift and drop a question on your plate[illegible]10[illegible]”[illegible]”[illegible]an overwhelming question[illegible]

[illegible]29[illegible]30[illegible]”[illegible] / [illegible]”[illegible]”[illegible] / [illegible]”[illegible]

[illegible]32[illegible]33[illegible]indecisions[illegible]visions and revisions[illegible]100[illegible]

[illegible]34[illegible]Before the taking of a toast and tea[illegible]

[illegible]:

35 In the room the women come and go

36 Talking of Michelangelo.

[illegible]
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[illegible]35[illegible]36[illegible]13[illegible]14[illegible]

[illegible]:

37 And indeed there will be time

38 To wonder, “Do I dare?” and, “Do I dare?”

39 Time to turn back and descend the stair,

40 With a bald spot in the middle of my hair —

41 (They will say: ‘How his hair is growing thin!”)

42 My morning coat, my collar mounting firmly to the chin,

43 My necktie rich and modest, but asserted by a simple pin —

44 (They will say: “But how his arms and legs are thin!”)

45 Do I dare

46 Disturb the universe?

47 In a minute there is time

48 For decisions and revisions which a minute will reverse.

[illegible] [illegible]”[illegible]”“[illegible]”

> [illegible] [illegible]—— [illegible]”[illegible]”[illegible] [illegible] [illegible]—— [illegible]”[illegible]”[illegible] [illegible] [illegible] | [illegible] | [illegible]
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[illegible]To wonder, “Do I dare?” and, “Do I dare?”[illegible]Time to turn back and descend the stair[illegible]

[illegible]With a bald spot in the middle of my hair[illegible]My morning coat, my collar mounting firmly to the chin[illegible]My necktie rich and modest, but asserted by a simple pin [illegible]

[illegible]45[illegible]46[illegible]”[illegible]”[illegible]38[illegible]”[illegible]”[illegible]”Do I dare?” and, “Do I dare?”[illegible]

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[illegible]1996[illegible]Wislawa Szymborska[illegible][illegible][illegible]

[illegible]Commemoration[illegible]

[illegible]2000[illegible]1[illegible]

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[illegible]Daedalus[illegible],

[illegible]Crete[illegible], [illegible], [illegible], [illegible], [illegible] | [illegible]

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Commemoration

They made love among the hazel shrubs beneath the suns of dew,
entangling in their hair
a leafy residue.
Heart of the swallow
have mercy on them.
They knelt down by the lake, combed out the earth and leaves,
and fish swam to the water’s edge
shimmering like stars.
Heart of the swallow
have mercy on them.
The reflections of trees were steaming off the rippling waves.
O swallow let this memory
forever be engraved.
O swallow, thorn of clouds, anchor of the air,

Icarus improved,
Assumption in formal wear,
O swallow, the calligrapher, timeless second hand,
early ornithogothic,
a crossed eye in the sky,
O swallow, pointed silence, mourning full of joy,
halo over lovers,
have mercy on them.

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Beatles[illegible]Hey Jude[illegible]

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[illegible]

[illegible]

Hey Jude

[illegible]Jude

[illegible]Beatles[illegible]

Hey Jude, don’t make it bad. Take a sad song and make it better.
Remember to let her into your heart,
Then you can start to make it better.
[illegible]Jude[illegible] [illegible]
[illegible]
[illegible]
Hey Jude, don’t be afraid. You were made to go out and get her.
The minute you let her under your skin,
Then you begin to make it better.
[illegible]Jude[illegible] [illegible]
[illegible]
[illegible]
And anytime you feel the pain, hey Jude, refrain, Don’t carry the

world upon your shoulders. Well you know that it’s a fool who plays it cool | By making his world a little colder. | Na na

na, na na na na,

□□Jude□□□□□□□□□□□□□□□ □□□□□□□□□□□

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Hey Jude, don’t let me down. You have found her, now go and get her.
Remember to let her into your heart,
Then you can start to make it better.
□□Jude□□□□□□□ □□□□□□□□□□ □□□□□□□□□□
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So let it out and let it in, hey Jude, begin, You’re waiting for

someone to perform with. And don’t you know that it’s just you, hey Jude, you’ll do, | The movement you need is on your shoulder. | Na na na, na na na na,

□□Jude□□□□□□□□□□□□□□□□ □□□□□□□□□□□□

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Hey Jude, don’t make it bad. na na na na, hey Jude
Take a sad song and make it better.
Na na na, na na na na,
□□Jude□□□□□□□□
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□ □ □□□ □ □ □□
na na na na, hey Jude Remember to let her under your skin, Na na na,

na na na na, na na na na, hey Jude | Then you’ll begin to make it better | Na na na, na na na na,

□□Jude□ □□□□□□□□□□□□ □□Jude□
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Better better better better better, oh.
na na na na, hey Jude
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Sting□□Every Breath You Take□

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Every Breath You Take

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□□□Sting & The Police

Every breath you take Every move you make Every bond you break
Every step you take
I’ll be watching you
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Every single day Every word you say Every game you play
Every night you stay
I’ll be watching you
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O can’t you see You belong to me
How my poor heart aches
with every step you take

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Every move you make Every vow you break Every smile you fake
Every claim you stake
I’ll be watching you
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Since you’ve gone I been lost without a trace I dream at night I can

only see your face | I look around but it’s you I can’t replace | I keep crying baby please

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Every move you make Every vow you break Every smile you fake Every

claim you stake I’ll be watching you □□□□□□□□ □□□□□□□□□□ □□□□ □□□□□□□ | □□□□□□□□□□ | □□□□□□□

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> How short a time ago, relatively, the small new European world was easily seizing colonies everywhere, not only without anticipating any real resistance, but also usually despising any possible values in the conquered peoples’ approach to life. On the face of it, it was an overwhelming success, there were no geographic frontiers to it.
>
> [illegible]
>
> And all of a sudden in the twentieth century came the discovery of its fragility and friability. We now see that the conquests proved to be short lived and precarious, and this in turn points to defects in the Western view of the world which led to these conquests.

[illegible]

But the blindness of superiority continues in spite of all and upholds the belief that vast regions everywhere on our planet should develop and mature to the level of present day Western systems which in theory are the best and in practice the most attractive. …Countries are judged on the merit of their progress in this direction.

[illegible]……[illegible]

However, it is a conception which developed out of Western incomprehension of the essence of other worlds, out of the mistake of measuring them all with a Western yardstick. The real picture of our planet’s development is quite different.

[illegible]

[illegible]

Every citizen has been granted the desired freedom and material goods in such quantity and of such quality as to guarantee in theory the achievement of happiness… however… the constant desire to have still more things and a still better life and the struggle to obtain them imprints many Western faces with worry and even depression…”

[illegible]……[illegible]·[illegible]

Everything beyond physical well-being and accumulation of material goods, all other human

requirements and characteristics of a subtler and higher nature, were left outside the area of attention of state and social systems, as if human life did not have any superior sense.

[illegible]

[illegible]

[in addition to the right to know] people also have the right not to know, and it is a much more valuable one. The right not to have their divine souls stuffed with gossip, nonsense, vain talk. A person who works and leads a meaningful life does not need this excessive burdening flow of information.

[illegible]

[illegible]

I have spent all my life under a communist regime and I will tell you that a society without any objective legal scale is a terrible one indeed. But a society with no other scale but the legal one is not quite worthy of man either.

[illegible]

(in a legalistic society) If one is right from a legal point of view, nothing more is required, nobody may mention that one could still not be entirely right, and urge self-restraint, a willingness to renounce such legal rights, sacrifice and selfless risk: it would sound simply absurd. One almost never sees voluntary self-restraint.

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If humanism were right in declaring that man is born to be happy, he would not be born to die. Since his body is doomed to die, his task on earth evidently must be of a more spiritual nature. It cannot [be] unrestrained enjoyment of everyday life. It cannot be the search for the best ways to obtain material goods and then cheerfully get the most out of them. It has to be the fulfillment of a permanent, earnest duty so that one's life journey may become an experience of moral growth, so that one may leave life a better human being than one started it.""…we shall have to rise to a new height of vision, to a new level of life where our physical nature will not be cursed as in the Middle Ages, but, even more importantly, our spiritual being will not be trampled upon as in the Modern era.

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Cranberries - Dreams

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Oh my life is changing everyday in every possible way And though my

dreams | it’s never quite as it seems | Never quite as it seems

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I know I felt like this before But now I’m feeling it even more

Because it came from you Then I open up and see | The person fumbling here is me | A different way to be

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I want more, impossible to ignore Impossible to ignore And they’ll

come true | impossible not to do | Impossible not to do

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And now I tell you openly You have my heart so don’t hurt me For what

I couldn’t find Talk to me amazing mind | So understanding and so kind | You’re everything to me

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Oh my life is changing everyday In every possible way And though my

dreams it’s never quite as it seems | ‘cause you’re a dream to me | Dream to me

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Love at First Sight

They’re both convinced that a sudden passion joined them.
Such certainty is beautiful,
but uncertainty is more beautiful still.
Since they’d never met before, they’re sure that there’d been nothing

between them. | But what’s the word from the streets, staircases, hallways — | perhaps they’ve passed each other a million times?

I want to ask them if they don’t remember — a moment face to face in

some revolving door? perhaps a “sorry” muttered in a crowd? a curt “wrong number” caught in the receiver? but I know the answer. No, they don’t remember They’d be amazed to hear | that Chance has been toying with them | now for years.

Not quite ready yet to become their Destiny, it pushed them close,

drove them apart, it barred their path, | stifling a laugh, | and then leaped aside.

There were signs and signals, even if they couldn’t read them yet.

Perhaps three years ago or just last Tuesday a certain leaf fluttered from one shoulder to another? Something was dropped and then picked up. | Who knows, maybe the ball that vanished | into childhood’s thicket?

There were doorknobs and doorbells where one touch had covered another

beforehand. Suitcases checked and standing side by side. | One night, perhaps, the same dream, | grown hazy by morning.

Every beginning is only a sequel, after all,
and the book of events
is always open halfway through.

~ Wislawa Szymborska ~

(View with a Grain of Sand, translated by Stanislaw Baranczak and Clare Cavanagh)

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How do I love thee?

How do I love thee? Let me count the ways. I love thee to the

depth and breadth and height My soul can reach, when feeling out of sight For the ends of being and ideal grace. I love thee to the level of every day’s Most quiet need, by sun and candle-light. I love thee freely, as men strive for right. I love thee purely, as they turn from praise. I love thee with the passion put to use In my old griefs, and with my childhood’s faith. I love thee with a love I seemed to lose With my lost saints. I love thee with the breath, | Smiles, tears, of all my life; and, if God choose, | I shall but love thee better after death.

—Elizabeth Barrett Browning

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> [illegible] To a court where the spring moon lights for ever
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> Phantom flowers and a single figure.

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[illegible]The Garden of Forking Paths[illegible]

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Under the trees of England I meditated on this lost and perhaps mythical labyrinth.

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I imagined it untouched and perfect on the secret summit of some mountain;

[illegible]

I imagined it drowned under rice paddies or beneath the sea;

[illegible]

I imagined it infinite, made not only of eight-sided pavilions and of twisting paths but also of rivers, provinces and kingdoms…

[illegible]……

I thought of a maze of mazes, of a sinuous, ever growing maze which would take in both past and future and would somehow involve the stars.

[illegible]

Lost in these imaginary illusions I forgot my destiny — that of the hunted.

For an undetermined period of time I felt myself cut off from the world, an abstract spectator.

The hazy and murmuring countryside, the moon, the decline of the evening, stirred within me.

Going down the gently sloping road I could not feel fatigue.

The evening was at once intimate and infinite.

=====================

The Garden of Forking Paths

Jorge Luis Borges

To Victoria Ocampo

[illegible]·[illegible]①

In his A History of the World War (page 212), Captain Liddell Hart

reports that a planned offensive by thirteen British divisions, supported by fourteen hundred artillery pieces, against the German line at Serre-Montauban, scheduled for July 24, 1916, had to be postponed until the morning of the 29th. He comments that torrential rain caused this delay—which lacked any special significance. The following deposition, dictated by, read over, and then signed by Dr. Yu Tsun, former teacher ofEnglish at the Tsingtao Hochschule, casts unsuspected light upon this event. The first two pages are missing.

[illegible]·[illegible]([illegible])[illegible]1916[illegible]7[illegible]24[illegible]29[illegible]·[illegible]

…and I hung up the phone. Immediately I recollected the voice that had spoken in German. It was that of Captain Richard Madden. Madden, in Viktor Runeberg's office, meant the end of all our work and—though this seemed a secondary matter, or should have seemed so to me—of our lives also. His being there meant that Runeberg had been arrested or murdered.② Before the sun set on this same day, I ran the same risk. Madden was implacable. Rather, to be more accurate, he was obliged to be implacable. An Irishman in the service of England, a man suspected of equivocal feelings if not of actual treachery, how could he fail to welcome and seize upon this extraordinary piece of luck: the discovery, capture and perhaps the deaths of two agents of Imperial Germany?

[illegible]

I went up to my bedroom. Absurd though the gesture was, I closed and locked the door. I threw myself down on my narrow iron bed, and waited on my back. The never changing rooftops filled the window, and the hazy six o’clock sun hung in the sky. It seemed incredible that this day, a day without warnings or omens, might be that of my implacable death. In despite of my dead father, in despite of having been a child in one of the symmetrical gardens of Hai Feng, was I to die now?

[illegible]

Then Ireflected that all things happen, happen to one, precisely now. Century follows century, and things happen only in the present. There are countless men in the air, on land and at sea, and all that really happens happens to me…The almost unbearable memory of Maddens long horseface put an end to these wandering thoughts.

[illegible]

In the midst of my hatred and terror (now that it no longer matters to me to speak of terror, now that I have outwitted Richard Madden, now that my neck hankers for the hangman’s noose), I knew that the fast-moving and doubtless happy soldier did not suspect that I possessed the

Secret—the name of the exact site of the new British artillery park on the Ancre. A bird streaked across the misty sky and, absently, I turned it into an airplane and then that airplane into many in the skies of France, shattering the artillery park under a rain of bombs. If only my mouth, before it should be silenced by a bullet, could shout this name in such a way that it could be heard in Germany…My voice, my human voice, was weak. How could it reach the ear of the Chief? The ear of that sick and hateful man who knew nothing of Runeberg or of me except that we were in Staffordshire. A man who, sitting in his arid Berlin office, leafed infinitely through newspapers, looking in vain for news from us. I said aloud, "I must flee."

[illegible]

I sat up on the bed, in senseless and perfect silence, as if Madden was already peering at me. Something—perhaps merely a desire to prove my total penury to myself—made me empty out my pockets. I found just what I knew I was going to find. The American watch, the nickel-plated chain and the square coin, the key ring with the useless but compromising keys to Runeberg's office, the notebook, a letter which I decided to destroy at once (and which I did not destroy), a five shilling piece, two single shillings and some pennies, a red and blue pencil, a handkerchief—and a revolver with a single bullet. Absurdly I held it and weighed it in my hand, to give myself courage. Vaguely I thought that a pistol shot can be heard for a great distance.

[illegible]

In ten minutes I had developed my plan. The telephone directory gave me the name of the one person capable of passing on the information. He lived in a suburb of Fenton, less than half an hour away by train.

[illegible]

I am a timorous man. I can say it now, now that I have brought my incredibly risky plan to an end. It was not easy to bring about, and I know that its execution was terrible. I did not do it for Germany —no! Such a barbarous country is of no importance to me, particularly since it had degraded me by making me become a spy. Furthermore, I knew an Englishman—a modest man—who, for me, is as great as Goethe. I did not speak with him for more than an hour, but during that time, he was Goethe.

[illegible]

I carried out my plan because I felt the Chief had some fear of those of my race, of those uncountable forebears whose culmination lies in me. I wished to prove to him that a yellow man could save his armies. Besides, I had to escape the Captain. His hands and voice could, at any moment, knock and beckon at my door.

[illegible]

Silently, I dressed, took leave of myself in the mirror, went down the stairs, sneaked a look at the quiet street, and went out. The station was not far from my house, but I thought it more prudent to take a cab. I told myself that I thus ran less chance of being recognized. The truth is that, in the deserted street, I felt infinitely visible and vulnerable. I recall that I told the driver to stop short of the main entrance.

[illegible]

I got out with a painful and deliberate slowness.I was going to the village of Ashgrove, but took a ticket for a station further on. The train would leave in a few minutes, at eight-fifty. I hurried, for the next would not go until half past nine. There was almost no one on the platform. I walked through the carriages. I remember some farmers, a woman dressed in mourning, a youth deep in Tacitus' Annals and a wounded, happy soldier.

[illegible]

At last the train pulled out. A man I recognized ran furiously, but vainly, the length of the platform. It was Captain Richard Madden. Shattered, trembling, I huddled in the distant corner of the seat, as far as possible from the fearful window.

[illegible]

From utter terror I passed into a state of almost abject happiness. I told myself that the duel had already started

and that I had won the first encounter by besting my adversary in his first attack-even if it was only for forty minutes—by an accident of fate. I argued that so small a victory prefigured a total victory. I argued that it was not so trivial, that were it not for the precious accident of the train schedule, I would be in prison or dead. I argued, with no less sophism, that my timorous happiness was proof that I was man enough to bring this adventure to a successful conclusion. From my weakness I drew strength that never left me.

I foresee that man will resign himself each day to new abominations, that soon only soldiers and bandits will be left. To them I offer this advice: Whosoever would undertake some atrocious enterprise should act as if it were already accomplished, should impose upon himself a future as irrevocable as the past.

Thus Iproceeded, while with the eyes of a man already dead, I contemplated the fluctuations of the day which would probably be my last, and watched the diffuse coming of night.

The train crept along gently, amid ash trees. It slowed down and stopped, almost in the middle of a field. No one called the name of a station. “Ashgrove?” I asked some children on the platform. “Ashgrove,” they replied. I got out.

[illegible]

A lamp lit the platform, but the children’s faces remained in a shadow. One of them asked me: “Are you going to Dr. Stephen Albert’s house?” Without waiting for my answer, another said: “The house is a good distance away but you won’t get lost if you take the road to the left and bear to the left at every crossroad.” I threw them a coin (my last), went down some stone steps and started along a deserted road. At a slight incline, the road ran downhill. It was a plain dirt way, and overhead the branches of trees intermingled, while a round moon hung low in the sky as if to keep me company.

[illegible]

For a moment I thought that Richard Madden might in some way have divined my desperate intent. At once I realized that this would be impossible. The advice about turning always to the left reminded me that such was the common formula for finding the central courtyard of certain labyrinths. I know something about labyrinths. Not for nothing am I the greatgrandson of Ts’ui Pen. He was Governor of Yunnan and gave up temporal power to write a novel with more characters than there are in the Hung Lou Meng, and to create a maze in which all men would lose themselves. He spent thirteen years on these oddly assorted tasks before he was assassinated by a stranger. His novel had no sense to it and nobody ever found his labyrinth.

[illegible]

[illegible]

Under the trees of England I meditated on this lost and perhaps mythical labyrinth. I imagined it untouched and perfect on the secret summit of some mountain; I imagined it drowned under rice paddies or beneath the sea; I imagined it infinite, made not only of eight-sided pavilions and of twisting paths but also of rivers, provinces and kingdoms…I thought of a maze of mazes, of a sinuous, ever growing maze which would take in both past and future and would somehow involve the stars. Lost in these imaginary illusions I forgot my destiny[illegible]that of the hunted. For an undetermined period of time I felt myself cut off from the world, an abstract spectator. The hazy and murmuring countryside, the moon, the decline of the evening, stirred within me. Going down the gently sloping road I could not feel fatigue. The evening was at once intimate and infinite.

[illegible]’[illegible]……[illegible]

The road kept descending and branching off, through meadows misty in the twilight. A high-pitched and almost syllabic music kept coming and going, moving with the breeze, blurred by the leaves and by distance.

[illegible]

I thought that a man might be an enemy of other men, of the differing moments of other men, but never an enemy of acountry: not of fireflies, words, gardens, streams, or the West wind.

[illegible]

Meditating thus I arrived at a high, rusty iron gate. Through the railings I could see an avenue bordered with poplar trees and also a kind of summer house or pavilion. Two things dawned on me at once, the first trivial and the second almost incredible: the music came from the pavilion and that music was Chinese. That was why I had accepted it fully, without paying it any attention. I do not remember whether there was a bell, a push-button, or whether I attracted attention by clapping myhands. The stuttering sparks of the music kept on.

[illegible]

But from the end of the avenue, from the main house, a lantern approached; a lantern which alternately, from moment to moment, was crisscrossed or put out by the trunks of the trees; a paper lantern shaped like a drum and colored like the moon. A tall man carried it. I could not see his face for the light blinded me.

[illegible]

He opened the gate and spoke slowly in my language.

[illegible]

“I see that the worthy Hsi P’eng has troubled himself to see to relieving my solitude. No doubt you want to see the garden?”

“[illegible]?”

Recognizing the name of one of our consuls, I replied, somewhat taken aback.

[illegible]

“The garden?”

“[illegible]?”

“The garden of forking paths.”

“[illegible]”

Something stirred in my memory and I said, with incomprehensible assurance:

[illegible]

“The garden of my ancestor, Ts’ui Pen.”

“[illegible]”

“Your ancestor? Your illustrious ancestor? Come in.”

“[illegible]?[illegible]?[illegible]”

The damp path zigzagged like those of my childhood. When we reached the house, we went into a library filled with books from both East and West. I recognized some large volumes bound in yellow silk-manuscripts of the Lost Encyclopedia which was edited by the Third Emperor of the Luminous Dynasty. They had never been printed. A phonograph record was spinning near a bronze phoenix. I remember also a rose-glazed jar and yet another, older by many centuries, of that blue color which our potters copied from the Persians…

[illegible]……

Stephen Albert was watching me with a smile on his face. He was, as I have said, remarkably tall. His face was deeply lined and he had gray eyes and a gray beard. There was about him something of the priest, and something of the sailor. Later, he told me he had been a missionary in Tientsinbefore he “had aspired to become a Sinologist.”

[illegible]

We sat down, I upon a large, low divan, he with his back to the window and to a large circular clock. I calculated that my pursuer, Richard Madden, could not arrive in less than an hour. My irrevocable decision could wait.

[illegible]

“A strange destiny,” said Stephen Albert, “that of Ts’ui Pen[illegible]Governor of his native province, learned in astronomy, in astrology and tireless in the interpretation of the canonical books, a chess player, a famous poet and a calligrapher. Yet he abandoned all to make a book and a labyrinth. He gave up all the pleasures of oppression, justice, of a well-stocked bed, of banquets, and even of erudition, and shut himself up in the Pavilion of the Limpid Sun for thirteen years. At his death, his heirs found only a mess of manuscripts. The family, as you doubtless know, wished to consign them to the fire, but the executor of the estate[illegible]a Taoist or a Buddhist monk[illegible]insisted on their publication.”

[illegible]

[illegible]——[illegible]——[illegible]”

“Those of the blood of Ts’ui Pen,” I replied, “still curse the memory of that monk. Such a publication was madness. The book is a shapeless mass of contradictory rough drafts. I examined it once upon a time: the hero dies in the third chapter, while in the fourth he is alive. As for that other enterprise of Ts’ui Pen…his Labyrinth…”

“[illegible]”[illegible]“[illegible]……”

“Here is the Labyrinth,” Albert said, pointing to a tall, laquered writing cabinet. “An ivory labyrinth?” I exclaimed. “A tiny labyrinth indeed…!”

“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]……”

“A symbolic labyrinth,” he corrected me. “An invisible labyrinth of time. I, a barbarous Englishman, have been given the key to this transparent mystery. After more than a hundred years most of the details are irrecoverable, lost beyond all recall, but it isn’t hard to image what must have happened. At one time, Ts’ui Pen must have said; ‘I am going into seclusion to write a book,’ and at another, ‘I am retiring to construct a maze.’ Everyone assumed these were separate activities. No one realized that the book and the labyrinth were one and the same. The Pavilion of the Limpid Sun was set in the middle of an intricate garden. This may have suggested the idea of a physical maze.

“[illegible]”[illegible]“[illegible]

“Ts’ui Pen died. In all the vast lands which once belonged to your family, no one could find the labyrinth. The novel’s confusion suggested that it was the labyrinth. Two circumstances showed me the direct solution to the problem. First, the curious legend that Ts’ui Pen had proposed to create an infinite maze, second, a fragment of a letter which I discovered.”

[illegible]”

Albert rose. For a few moments he turned his back to me. He opened the top drawer in the high black and gilded writing cabinet. He returned holding in his hand a piece of paper which had once been crimson but which had faded with the passage of time: it was rose colored, tenuous, quadrangular. Ts’ui Pen’s calligraphy was justly famous. Eagerly, but without understanding, I read the words which a man of my own blood had written with a small brush: “I leave to various future times, but not to all, my garden of forking paths.” I handed back the sheet of paper in silence. Albert went on:

[illegible]([illegible])[illegible]

“Before I discovered this letter, I kept asking myself how a book could be infinite. I could not imagine any other than a cyclic volume, circular. A volume whose last page would be the same as the first and so have the possibility of continuing indefinitely. I recalled, too, the night in the middle of The Thousand and One Nights when Queen Scheherezade, through a magical mistake on the part of her copyist, started to tell the story of The Thousand and One Nights, with the risk of again arriving at the night upon

which she will relate it, and thus on to infinity. I also imagined a Platonic hereditary work, passed on from father to son, to which each individual would add a new chapter or correct, with pious care, the work of his elders.

“[illegible]

“These conjectures gave me amusement, but none seemed to have the remotest application to the contradictory chapters of Ts’ui Pen. At this point, I was sent from Oxford the manuscript you have just seen.

[illegible]

“Naturally, my attention was caught by the sentence, ‘I leave to various future times, but not to all, my garden of forking paths: I had no sooner read this, than I understood. The Garden of Forking Paths was the chaotic novel itself. The phrase ‘to various future times, but not to all’ suggested the image of bifurcating in time, not in space. Rereading the whole work confirmed this theory. In all fiction, when a man is faced with alternatives he chooses one at the expense of the others. In the almost unfathomable Ts’ui Pen, he chooses—simultaneously—all of them. He thus creates various futures, various times which start others that will in their turn branch out and bifurcate in other times. This is the cause of the contradictions in the novel.

[illegible]

[illegible]

“Fang, let us say, has a secret. A stranger knocks at his door. Fang makes up his mind to kill him. Naturally there are various possible outcomes. Fang can kill the intruder, the intruder can kill Fang, both can be saved, both can die and so on and so on. In Ts’ui Pen’s work, all the possible solutions occur, each one being the point of departure for other bifurcations. Sometimes the pathways of this labyrinth converge. For example, you come to this house; but in other possible pasts you are my enemy; in others my friend. If you will put up with my atrocious pronunciation, I would like to read you a few pages of your ancestor’s work.”

[illegible]”

His countenance, in the bright circle of lamplight, was certainly that of an ancient, but it shone with something unyielding, even immortal.

[illegible]

With slow precision, he read two versions of the same epic chapter. In the first, an army marches into battle over a desolate mountain pass. The bleak and somber aspect of the rocky landscape made the soldiers feel that life itself was of little value, and so they won the battle easily. In the second, the same army passes through a palace where a banquet is in progress. The splendor of the feast remained a memory throughout the glorious battle, and so victory followed.

With proper veneration I listened to these old tales, although perhaps with less admiration for them in themselves than for the fact that they had been thought out by one of my own blood, and that a man of a distant empire had given them back to me, in the last stage of a desperate adventure, on a Western island. I remember the final words, repeated at the end of each version like a secret command: “Thus the heroes fought, with tranquil heart and bloody sword. They were resigned to killing and to dying.”

At that moment I felt within me and around me something invisible and intangible pullulating. It was not the pullulation of two divergent, parallel, and finally converging armies, but an agitation more inaccessible, more intimate, prefigured by them in some way. Stephen Albert continued:

“I do not think that your illustrious ancestor toyed idly with variations. I do not find it believable that he would waste thirteen years laboring over a never ending experiment in rhetoric. In your country the novel is an inferior genre; in Ts’ui Pen’s period, it was a despised one. Ts’ui Pen was a fine novelist but he was also a man of letters who, doubtless, considered himself more than a mere novelist. The testimony of his contemporaries attests to this, and

certainly the known facts of his life confirm his leanings toward the metaphysical and the mystical. Philosophical conjectures take up the greater part of his novel. I know that of all problems, none disquieted him more, and none concerned him more than the profound one of time. Now then, this is the only problem that does not figure in the pages of The Garden. He does not even use the word which means time. How can these voluntary omissions be explained?”

“[illegible]?”

I proposed various solutions, all of them inadequate. We discussed them. Finally Stephen Albert said:

[illegible]·[illegible]

“In a guessing game to which the answer is chess, which word is the only one prohibited?”

“[illegible]‘[illegible]’[illegible]?”

I thought for a moment and then replied: “The word is chess.”

[illegible] “‘[illegible]’[illegible]”

“Precisely,” said Albert. “The Garden of Forking Paths is an enormous guessing game, or parable, in which the subject is time. The rules of the game forbid the use of the word itself. To eliminate a word completely, to refer to it by means of inept phrases and obvious paraphrases, is perhaps the best way of drawing attention to it. This, then, is the tortuous

method of approach preferred by the oblique Ts'ui Pen in every meandering of his interminable novel. I have gone over hundreds of manuscripts, I have corrected errors introducedby careless copyists, I have worked out the plan from this chaos, I have restored, or believe I have restored, the original. I have translated the whole work. I can state categorically that not once has the word time been used in the whole book.

“[illegible]”[illegible]“[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]

“The explanation is obvious. The Garden of Forking Paths is a picture, incomplete yet not false, of the universe such as Ts'ui Pen conceived it to be. Differing from Newton and Schopenhauer, your ancestor did not think of time as absolute and uniform. He believed in an infinite series of times, in a dizzily growing, ever spreading network of diverging, converging and parallel times. This web of time□ the strands of which approach one another, bifurcate, intersect or ignore each other through the centuries□ embraces every possibility. We do not exist in most of them. In some you exist and not I, while in others I do, and you do not, and in yet others both of us exist. In this one, in which chance has favored me, you have come to my gate. In another, you, crossing the garden, have found me dead. In yet another, I say these very same words, but am an error, a phantom.”

[illegible]

[illegible]

“In all of them,” I enunciated, with a tremor in my voice. “I deeply appreciate and am grateful to you for the restoration of Ts’ui Pen’s garden.”

“[illegible]”[illegible]“[illegible]”

“Not in all,” he murmured with a smile. “Time is forever dividing itself toward innumerable futures and in one of them I am your enemy.”

“[illegible]”[illegible]“[illegible]”

Once again I sensed the pullulation of which I have already spoken. It seemed to me that the dew-damp garden surrounding the house was infinitely saturated with invisible people. All were Albert and myself, secretive, busy and multiform in other dimensions of time. I lifted my eyes and the short nightmare disappeared. In the black and yellow garden there was only a single man, but this man was as strong as a statue and this man was walking up the path and he was Captain Richard Madden.

[illegible]·[illegible]

“The future exists now,” I replied. “But I am your friend. Can I take another look at the letter?”

“[illegible]”[illegible]“[illegible]?”

Albert rose from his seat. He stood up tall as he opened the top drawer of the high writing cabinet. For a moment his

back was again turned to me. I had the revolver ready. I fired with the utmost care: Albert fell without a murmur, at once. I swear that his death was instantaneous, as if he had been struck by lightning.

[illegible]

What remains is unreal and unimportant. Madden broke in and arrested me. I have been condemned to hang. Abominably, I have yet triumphed! The secret name of the city to be attacked got through to Berlin. Yesterday it was bombed. I read the news in the same English newspapers which were trying to solve the riddle of the murder of the learned Sinologist Stephen Albert by the unknown Yu Tsun. The Chief, however, had already solved this mystery. He knew that my problem was to shout, with my feeble voice, above the tumult of war, the name of the city called Albert, and that I had no other course open to me than to kill someone of that name. He does not know, for no one can, of my infinite penitence and sickness of the heart.

[illegible]·illegible[illegible]

①[illegible]·[illegible](1891—1979)[illegible]([illegible]·[illegible]

②A malicious and outlandish statement. In point of fact, Captain Richard Madden had been attacked by the Prussian spy Hans Rabener, alias Viktor Runeberg, who drew an automatic pistol when Madden appeared with orders for the

spy’s arrest. Madden, in self defense, had inflicted wounds of which the spy later died. - Note by the manuscript editor.

②[illegible]·[illegible]·[illegible]

[illegible]

Note

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http://www.ruanyifeng.com/blog/2008/01/maze_and_an_infinite_book.html [illegible]: [illegible]

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Federico Garcia Lorca 1898-1936 20

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The Little Mute Boy

by Federico Garcia Lorca

The little boy was looking for his voice. (The King of the

crickets had it.) | In a drop of water | the little boy was looking for his voice.

I do not want it for speaking with; I will make a ring of it
so that he may wear my silence
on his little finger.
In a drop of water
the little boy was looking for his voice.
(The captive voice, far away.
Put on a cricket’ clothes.)

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[illegible]·[illegible]Ayn Rand[illegible]1905-1982[illegible]1998[illegible]”20[illegible]100[illegible]”[illegible]Atlas Shrugged[illegible]10[illegible]

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[illegible]Ralph Waldo Emerson, 1803-1882[illegible]19[illegible]Transcendentalism[illegible]

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[illegible]The Rhodora[illegible]

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> I never thought to ask, I never knew:
> But, in my simple ignorance, suppose
> The self-same Power that brought me there brought you.

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> If the stars should appear one night in a thousand years,
> how would man believe and adore, and preserve for
> many generations the remembrance of the city of God!

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The days come and go like muffled and veiled figures sent from a distant friendly party, but they say nothing, and if we do not use the gifts they bring, they carry them as silently away.

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Although the fact that his stories are set in a mid-American place

like Winesburg does constitute an important formative condition. You might even say, with only slight overstatement, that what Anderson is doing in Winesburg, Ohio could be described as “antirealistic,” fictions notable less for precise locale and social detail than for a highly personal, even strange vision of American life. Narrow, intense, almost claustrophobic, the result is a book about extreme states of being, the collapse of men and women who have lost their psychic bearings and now hover, at best tolerated, at the edge of the little community in which they live. It would be a gross mistake, though not one likely to occur by now, if we were to take Winesburg, Ohio as a social photograph of “the typical small town” (whatever that might be.) Anderson evokes a depressed landscape in which lost souls wander about; they make their flitting appearances mostly in the darkness of night, these stumps and shades of humanity. This vision has its truth, and at its best it is a terrible if narrow truth—but it is itself also grotesque, with the tone of the authorial voice and the mode of composition forming muted signals of the book’s content. Figures like Dr. Parcival, Kate Swift, and Wash Williams are not, nor are they meant to be, “fully- rounded” characters such as we can expect in realistic fiction; they are the shards of life, glimpsed for a moment, the debris of suffering and defeat. In each story one of them emerges, shyly or with a false assertiveness, trying to reach out to companionship and love, driven almost mad by the search for human connection. In the economy of Winesburg these grotesques matter less in their own right than as agents or symptoms of that “indefinable hunger” for meaning which is Anderson’s preoccupation.

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>
> He was thinking about spending $20 million on a seat on the Russian Space Shuttle Soyuz for a trip to outer space. Sitting on his famous gilded toilet, Bald Li (he had gone bald) closed his eyes, and envisioned how he would float along in orbit, surrounded by an abysmal silence. Witnessing how the great Earth slowly turned around, he couldn’t help feeling sad; tears rolled out of his eyes. Then he realized that he did not have a single relative on the earth.

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Andrea Petrlik Huseinovic

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> We came into our room earlier than usual in the morning, and discovered a gigantic cockroach jumping about on the keys. He did not see us, and we watched him. He would climb painfully upon the framework of the machine and cast himself with all his force upon a key, head downward, and his weight and the impact of the blow were just sufficient to operate the machine, one slow letter after another. He could not work the capital letters, and he had a great deal of difficulty operating the mechanism that shifts the paper so that a fresh line may be started. We never saw a cockroach work so hard or perspire so freely in all our lives before. After about an hour of this frightfully difficult literary labor he fell to the floor exhausted, and we saw him creep feebly into a nest of the poems which are always there in profusion.

[illegible]

Congratulating ourself that we had left a sheet of paper in the machine the night before so that all this work had not been in vain, we made an examination, and this is what we found:

[illegible] [illegible]

[illegible] | [illegible] | [illegible]

expression is the need of my soul i was once a vers libre bard but

i died and my soul went into the body of a cockroach it has given me a new outlook upon life i see things from the under side now | ... | (rest of poem snipped)

[illegible]Don Marquis[illegible]the coming of archy[illegible]

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Marquis[illegible]
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Brendan O’Kane[illegible]Blog[illegible]20[illegible]Don Marquis[illegible]

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the lesson of the moth

[illegible]Don Marquis

[illegible]Brendan O’Kane

[illegible]
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i was talking to a moth the other evening he was trying to break into
an electric light bulb
and fry himself on the wires
[illegible]

[illegible] | [illegible] | [illegible]

why do you fellows pull this stunt i asked him because it is the

conventional thing for moths or why if that had been an uncovered candle instead of an electric light bulb you would | now be a small unsightly cinder | have you no sense

[illegible]

plenty of it he answered but at times we get tired of using it we get

bored with the routine and crave beauty and excitement fire is beautiful and we know that if we get too close it will kill us but what does that matter it is better to be happy for a moment and be burned up with beauty than to live a long time and be bored all the while so we wad all our life up into one little roll and then we shoot the roll that is what life is for it is better to be a part of beauty for one instant and then cease to exist than to exist forever and never be a part of beauty our attitude toward life is come easy go easy we are like human beings | used to be before they became | too civilized to enjoy themselves

and before i could argue him out of his philosophy he went and

immolated himself on a patent cigar lighter i do not agree with him myself i would rather have | half the happiness and twice | the longevity

but at the same time i wish
there was something i wanted
as badly as he wanted to fry himself

archy

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Lakshmi Chaudhry□□

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> Laying her brooch on the table, she had a sudden spasm, as if, while she mused, the icy claws had had the chance to fix in her. She was not old yet. She had just broken into her fifty-second year. Months and months of it were still untouched. June, July, August! Each still remained almost whole, and, as if to catch the falling drop, Clarissa (crossing to the dressing-table) plunged into the very heart of the moment, transfixed it, there—the moment of this June morning on which was the pressure of all the other mornings, seeing the glass, the dressing-table, and all the bottles afresh, collecting the whole of her at one point (as she looked into the glass),

seeing the delicate pink face of the woman who was that very night to give a party; of Clarissa Dalloway; of herself.

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When I heard the Learn’d Astronomer

Walt Whitman

WHEN I heard the learn’d astronomer; When the proofs, the figures,

were ranged in columns before me; When I was shown the charts and the diagrams, to add, divide, and measure them; When I, sitting, heard the astronomer, where he lectured with much applause in the lecture-room, How soon, unaccountable, I became tired and sick; Till rising and gliding out, I wander’d off by myself, | In the mystical moist night-air, and from time to time, | Look’d up in perfect silence at the stars.

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> From a little after two o'clock until almost sundown of the long still hot weary dead September afternoon they sat in what Miss Coldfield still called the office because her father had called it that—a dim hot airless room with the blinds all closed and fastened for forty-three summers because when she was a girl someone had believed that light and moving air carried heat and that dark was always cooler, and which (as the sun shone fuller and fuller on that side of the house) became latticed with yellow slashes full of dust motes which Quentin thought of as being flecks of the dead old dried paint itself blown inward from the scaling blinds as wind might have blown them.

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Without You

By Del James

Although he wanted to share the dance, Mayne could not bring himself

to interrupt such beauty. Her well-toned body swayed childlike, peacefully, slowly moving to the rhythm. Her innocence was enchanting, her beauty breathtaking. Mayne knew she’d be angry at him for sneaking about, watching without letting her know, but the teenage voyeur inside his adult body encouraged him and didn’t care about the consequences. Besides, this was for his eyes only. Her eyes sparkled, reminding him of the ocean, vast with beauty and mystery. A slight breeze danced through her lion’s mane. A full-length see-through dress covered her shapely body and a light glaze of sweat made her glisten. She seemed too beautiful to be real. During this split second of visual euphoria, Mayne conceded that she was the only woman he ever truly loved. Her eyes flickered. She must have heard me, he thought as she turned toward him. He didn’t want to

ruin the beauty, only to enjoy it. Her thick lips smiled sympathetically. Then the song started growing in volume.

A sharp twinge of panic shot through him when he realized which of his songs it was. Cold sweat seeped out of his pores and dread consumed him. His vision spiraled as reality distorted. Breathing became difficult, complicated. Desperation attacked and twisted every muscle in his thin body. Much worse than the pain was his fear. Unsuppressable anxiety swept through him as he started toward the stereo. Everything lost its natural texture; the walls, the floor, the air became surreal. The louder the music, the more difficult he found it to move. He had to remove the compact disc but his feet felt like large concrete blocks. He couldn’t move fast enough. She already had the pistol’s barrel against her temple.

BLAMM!

Mayne awoke covered in sweat, a mute shriek still lodged in his throat. The past six hours had been spent in a drug-and-alcohol-induced coma that he put over as sleep. Sleep was a rare commodity and was impossible to achieve without some assistance. It didn’t matter whether he slept six hours or six minutes, the nightmare always managed to creep in. No sleeping pill or antidepressant could spare him. He had written the song and was forever damned by it. With unsteady hands, he wiped sweat from his brow and rubbed his fingers against the satin sheets. His silver and gold bracelets clinked together. Rolling onto his side, he stared at the digital alarm clock on top of the black night table that had a built -in refrigerator as its base. On top of the clock was a half-empty pack of Marlboros. He stared at the green digital numbers but they made no sense. It really didn’t matter what time it was anyway, his time was other people’s money. Next to the clock was something more

important than cash or time. Slowly he sat up. Tortured eyes scanned the black marble tabletop, searching for any leftover precious brown powder. There were burned matches, bent cigarettes, and empty bindles, but no dope. It didn't matter. He could always have more delivered. Sitting on the edge of the bed, Mayne reached down and opened the night table's refrigerator door. Inside were several Budweiser's, baking soda, and a chilled bottle of Dom Perignon. He grabbed a cold can, killing half of it in one sip. He did this every morning. Instantly, his aching head began to feel better. Although he didn't want to admit it, the time had arrived to rejoin the living. He knew he had to be at the studio soon but didn't feel up to it. Besides, the recording of his latest album, Alone, had been finished over a month ago. The album was now in the final mixing stages. If Mayne liked what he heard, he'd approve it and the record would be released on schedule. If not, it would have to be remixed until he did approve. So then, what the fuck did they need him for? He procrastinated for as long as he possibly could before finally standing up.

Much like his bedroom, the bathroom was a disaster area. Discarded

clothes, creams, trash, cassettes, and towels dominated the view. Using radar to locate the bowl, he found the porcelain, fought off the urge to puke, and relieved himself. He reentered the bedroom, not really feeling human, more like a robot dressed in rented flesh. There was a dull pain in his abdomen that he'd grown accustomed to. It, like many other flaws in his health, could be attributed to his excessive life-style. Besides hi jewelry, Mayne only wore Jockey briefs. He stumbled over to his dresser, removed a pair of custom-tailored black leather pants, and changed. He found a dark purple silk kimono hanging in a walk in closet and put it on.

In a dresser drawer was a gram vial of cocaine. Scooping with the long fingernail on his right pinkie, the tattered musician snorted eight blasts of rock ‘n’ roll aspirin. The kimono felt cool against his warm flesh. He wondered if he was feverish and concluded he probably was. He was always run down, as if with a perpetual fever. That is, of course, until he got his chip. He finished his beer, tossing the empty can in the general direction of a wastebasket that was already crammed with empties. Staring into a full-length mirror, the run-down recluse didn’t recognize the reflection. Sure, the long blond hair and tattoos gave him away, but he looked so frail. Mayne looked like someone who was ready for hospital pajamas. His once attractive face was blue, taut, and expressionless. A scraggly beard covered his chin and his emerald eyes were no longer authentic gems, but rather costume jewelry. He needed a drink.

For the past fourteen of his twenty-eight years, he’d spent the majority of his time inside a bottle. Teenage beer and wine parties turned to vodka and rum at nightclubs, which in turn evolved into straight whiskey. Exiting the bedroom, he said a silent prayer to his patron saint, Jim Beam, asking that there be some in the liquor cabinet. An illuminating golden glow surrounded the thick blackout curtains. A small war had gone down in the living room the previous evening. Full ashtrays, assorted liquor bottles, empty and half-empty packs of cigarettes, and beer cans were strewn everywhere. Several CD covers were caked in cocaine residue. Mayne tried remembering who had been partying there and couldn’t. An empty pack of Kool cigarettes meant that one of his many dealers, Jamie Jazz had delivered something. It didn’t take very long before he made the connection between the empty bindles in the bedroom and Jamie. Jamie (pronounced Jay-mee) was typical Hollywood trash who hand delivered coke, toke, crack, or smack to troubled celebrities, exploiting their vulnerabilities. Mayne searched

for more clues as to who else had been over partying but came up blank. He slid behind the bar that was adjacent to the kitchen and opened a cabinet. There were several unopened bottles of assorted white liquors. A nervous surge shot through his small stomach. What if there was no whiskey? He shuffled the bottles around until he found the proper one. A sigh of relief escaped him as he twisted the cap off and made a mental note that he needed to restock. The whiskey's aroma was his equivalent of fresh brewed coffee. “Here's looking at you, love,” Mayne said aloud, raising the bottle to his lips.

Like every day, one sip led to another. After several sips, he started feeling right. He put the bottle on the counter and made it to the refrigerator. If he was lucky, he'd be drunk before the day started. He removed another Budweiser and went back into the messy living room. There was a dull hum inside his cranium. He couldn't differentiate whether it was cocaine-induced or the central air-conditioning. If only he could remember what day today was, then he'd know if a maid was scheduled to come by. She could bring booze. The musician sat on the couch, picked up the phone, and dialed 411.

“Operator. What city, please?”

“L.A.”

“Yes?”

“What day is it? Mayne asked sincerely, lighting a Marlboro.

“What?”

“What day is it?”

“Sir, I'm an operator.”

“Ma’am, you’re Information and I asked you a question,” Mayne corrected her. A snide laugh escaped him. After a silent moment, she answered his question.

“It’s Wednesday, sir.”

“Thanks,” he said, and hung up. There would be no maid service today. This was not the way he wanted to start the day. He polished off the beer, finished his cigarette, and snorted more cocaine. After several confusing seconds, he remembered where he kept the large green garbage bags and began straightening up the mess. Moving around the large one-bedroom condominium, he picked up anything that wasn’t bolted down and threw it out. Bottles and empty food containers stretched the garbage bag to a point where it threatened to rip open. After ten minutes of straightening up, the apartment began taking shape. Besides this condominium, he also owned one in Manhattan and another in Houston. He rarely frequented his Hollywood Hills mansion, or for that matter, his house in Maui. Both brought back too many memories of her. It was in the Hollywood Hills house where he and Elizabeth Aston had spent most of their quality time. As his thoughts began betraying him, thinking more about her, Mayne instinctively went to the bar and retrieved the whiskey bottle. He could think of her as long as he had a safety net. With all the money, fame, and success he had attained, it was the simple things like friendship and love that were the hardest to keep. He never meant to hurt anyone, especially those closest to him, but for some reason that’s who he usually hurt the worst. He never set out to be malicious, but by living under a microscope with the world scrutinizing him, any wrongdoing, public or private, tended to blow up in his face and often wound up as Nightly News. Personal flaws and @!#$-ups are not allowed of the elite. He often suffered silently, trapped by his own fame, until he needed out of his cage. But the

cage was as wide as his eyes could perceive. All Mayne had ever tried to be, right or wrong, was himself. With all the doctors, specialists, therapists, fans, and everyone in his organization trying to help him, he just sank further into his cocoon, alienating himself even more. He often wondered who he really was. Was he another regenerated social security number automatically inherited at birth or a genuine reflection of society? Was he a phenomenon or just a facade? Was he a product of his own imagination or just another brick? Would he ever understand his own destiny?

Inside his mind, he analyzed why his relationship with Elizabeth had failed more times than were countable. Like the scholar he wasn't, he dissected situations, pondered things he should've said and shouldn't have been caught doing. When it came to sex, why couldn't Elizabeth understand that just because he occasionally strayed from their bedroom didn't mean he didn't love her? Sex was like role-playing. He never forced her to be monogamous but deep down he knew that if he found out she was fucking someone else it would have hurt. A lot! Even with that knowledge, he couldn't confine himself to only one woman. He wanted to have his cake and eat it too. He tried being open with her but concluded that certain things should've remained secret. Sex was an ego addiction similar to the one felt onstage. Different audiences, like different partners, were more challenging and made him work harder for the applause. Like drugs, he was addicted to the rush. Even with an empire at his disposal, money couldn't buy him love, nor happiness, nor peace of mind. Nor Elizabeth. Looking around the large living room, a very disenchanted artist absorbed the modern decor. None of these possessions except a few token items had ever meant anything to Mayne. None of this shit was real. He was surrounded by trophies of a game that had no meaning. And he was tired of playing games.

A sharp pain in his left ear sent him back to the dark corridor that led from stage to dressing room. Inside his ringing head, speakers feeding back ignited and exploded. He was experiencing another rock ‘n’ roll side effect, ear damage. The dull hum lasted only seconds but the memories of his final show with his former band, Suicide Shift, would never fade. For reasons he couldn’t remember, Elizabeth had been unable to attend the tour’s final show. The band had been on the road for the better part of fourteen months, over 285 concerts. Every few weeks Mayne had flown her to whatever city he was performing in and she’d stay for a few nights. The final concert of any tour is an important night. It was Suicide Shift’s first headlining tour and Mayne wanted to share the experience with her. It was the culmination of many miles traveled, many hours worked, and the celebration that went on afterward was well deserved. He called her several times to offer her plane tickets, trying to persuade her, but she couldn’t make it.

The gig was well over two hours of electric ferocity. Of course Mayne consumed plenty of drugs and alcohol before and during the show (he did every gig), but it was the Florida crowd’s enthusiasm and knowing that he’d be able to sleep for a month that gave him extra spark. Every time he took a solo, he tried to best any previous soloing effort. Every time he approached his microphone to sing backups, his voice surged with whiskey vigor. For him, this was rock ‘n’ roll at its best. The 4,000-plus crowd acknowledged this with deafening applause.

After the final encore, it was time to celebrate. Mayne wound up with two eager females in his hotel room. In the privacy of his bathroom he injected a little heroin. Not enough to make him nod out but enough to get him good and high. The two nubile females would only make him feel better. After struggling to get his wet brown suede pants off,

he joined the nude women, and thus the revelry began. The dope clouded his not-so-good memory but Mayne remembered a very drunk Peter Terrance walking into the room. The band's drummer had mistaken Mayne's room for his own. In the spirit of celebration, Mayne offered him a girl. Terrance declined saying he'd find his own and left. The menage-a-trois continued. Shortly afterward there was a knock on the door. Thinking it was Terrance taking up the offer, Mayne called out, telling whoever was at the door to enter. Standing at the door with an overnight bag was Elizabeth. On the spur of the moment she'd flown from L.A. to Miami to be with him. A very bad scene played itself out. Elizabeth left broken and hysterical. That was the beginning of the end for their relationship.

Mayne snapped out of the past. His left knee popped loudly as he

straightened his legs and headed for the phone. He pushed a button. Elizabeth's number was still programmed and every now and then he pushed it just to hear her phone ring. Also in the phone's memory was his record | label, his manager, the three members of his current band, the Mayne Mann Group, and several drug dealers. After receiving no answer at Elizabeth's, he pushed another button. His many bracelets clinked together and a few seconds later there was a reply.

"Yeah?" spat an unenthusiastic voice from a car phone.

"It's me," Mayne said, swallowing, cocaine dripping down his throat.

"My main man," Jamie's voice declared like a cash register ringing. "What can I do ya for?"

"Uptown and downtown." Cocaine and heroin.

“No problem. You remember what I did for ya lastnight, right?”

“Yeah.” He didn’t.

“You owe me three bills from that shit, brother man,” the dealer explained just in case memory failed.

“I’m sure I got some change floatin’around. If I can’t find some I’ll five ya my Versateller card and you can get what I owe.”

“Bet. I’ll be right up,” Jamie said as if he was doing Mayne a favor and hung up.

“Fuckin’ prick,” Mayne mumbled to himself.

He lit up a cigarette and got himself another beer. The lid popped loudly and foam rose to the mouth hole. He watched, amused, then walked over to the black-out curtains and pulled the lever, letting bright sunlight invade his living room. “Fuck you very much,” he loudly announced, squinting, and raising his middle finger to the sky. The view from his balcony was vast, displaying the City of Angels below, yet more often than not Mayne kept the curtains shut, preferring not to be a part of the world outside. It was safe inside his apartment. Against a far wall, tucked in the corner so that the ivory keys faced out toward the living room, was a vintage Steinway. He spent many pleasure-filled hours on the instrument, and even when he wasn’t playing, the piano gave him visual stimulation. It was an instrument of precision and grace. Next to the piano, resting comfortably on stands were half a dozen vintage guitars: Les Pauls, Stratocasters, and Telecasters. The guitars he kept in the apartment were the ones that meant the most to him.

The buzzer sounded, waking Mayne from his drifting thoughts. He went

to the intercom and pressed the button that unlocked the front door. A few minutes later, Jamie Jazz was inside his apartment. Dozens of platinum and gold records adorned the walls. Hours upon years of planning, writing, recording, and struggling had reaped these round rewards. His songwriting stemmed from inner pains and his slower, more blues-influenced songs often dealt with personal hardships. Those were the songs he was most proud of and believed | might stand the test of time. The faster, more hard-rock-oriented songs often had little | significance or wore their meanings on their sleeve. Unfortunately, the awards were no longer awards without Elizabeth. Mayne excused himself and went into the bedroom. Hidden behind yet another platinum disc was a safe. He removed the disc from the wall, twisted the combination, and opened the safe. Inside were jewelry, documents, over four thousand dollars cash, a freebase pipe, and a loaded .357 Magnum. He grabbed a few C-notes and went back into the living room, leaving the safe shut but unlocked. Jamie was seated on the black leather couch, feet up on the marble coffee table, looking casual in Suicide Shift sweatpants (that he'd gotten from Mayne) and a matching sweatshirt. He'd helped himself to a beer.

“What's the total?”

“Including last night? Six,” Jamie replied, fidgeting with the beeper on his waist.

Mayne handed him six bills and put the rest in his pants pocket. Judging by the look on his face, the dealer understood he wanted to be alone and took the hint.

“Call me if you need anything else,” Jamie offered, exiting the apartment.

The moment the front door clicked shut, Mayne’s mind rushed into

overdrive but his body refused to move. He had drugs in hand, but instead of finding a syringe, he went back into the bedroom. Something in the wall safe more powerful than his addiction had caught his eye. He walked to the safe and pulled the door open. Inside was a photo album containing precious Kodachrome memories. Placing the drugs on top of the messy night table, he fell on the bed, and began flipping through the leather-bound book. Captured in photos were images and feelings so intense that it made him warm as well as suicidal. Elizabeth had challenged him intellectually while stimulating him sexually. She’d mothered him when | he was sick, which was quite often. She’d set free inner feelings that he’d often tried | avoiding. Her beauty, both inner and physical, was something he wanted; yet when she was his, he did everything conceivable to lose her.

He turned to the second page. He had no idea how many times he’d

masturbated to this photo. Every other day perhaps. It was just a snapshot he’d taken of her while on vacation in Las Vegas. In photo form, the wind blew her long hair away from her face and she was smiling. Behind her was the Caesar’s Palace hotel where they’d spent the better part of two weeks in the penthouse suite. It was a typical tourist photo but it was her | smile that turned him on. It was so free from pain. Mayne would do anything to have her smile for him like she had in the photograph. He’d do anything to have her lips, her body again.

He unbuttoned his leather pants. Before beginning his self-stimulation, he pulled himself over to the night-table refrigerator and removed an unopened bottle of Dom Perignon champagne. The bottle opened with a loud pop and smoke billowed from the top, but no liquid spilled.

Sipping deeply from the bottle, he flipped through the photo album

that was all too short, | carefully avoiding the final page. He rarely looked at the last page. As always, he wound up back on page two. With the bottle two-thirds empty, he pulled his pants and briefs down to his knees and poured the remaining champagne onto his palms. This was part of the ritual. Fine champagne was something he and Elizabeth enjoyed sharing. He could still share it with her. As he took hold of his wet erection, his thoughts began to slip. It was during one of their final dinner dates that she had said something that inspired him to write the most beautiful song of his career. “I can’t live with you and I can’t live without you,” he could hear her saying as if it were just yesterday. Words flowed from pen to paper faster than he could write. Mayne concluded that this was his private way of explaining all that had happened between them. The song “Without You,” was not an apology, it was his side of the story. It was rock ‘n’ roll sincerity that sold over three million copies in the U.S., topping the record sales charts and putting the Mayne | Mann Group on top of the rock world. He offered Elizabeth half of the royalties from the song because without her there would be no song. She politely declined. A sold-out Mayne Mann Group tour ensued. When the tour arrived in Los Angeles, Mayne desperately wanted to see her. No matter how many women he had, no matter how over her he told everyone he was, he’d do anything for her except let her permanently slip out of his life.

He’d called her a dozen times over the course of two days, leaving message after message on her answering machine. Even though she never responded, he’d left her ten All-Access passes at Will Call. She never showed.

After the show, Mayne vowed he wouldn’t make the same mistake twice. He quickly showered, changed into dry clothing, and left, avoiding all the backstage hoopla. He and his driver headed for Elizabeth’s apartment. Using the phone in the limousine, he dialed her from the street below her apartment. Again he was greeted by a recorded message.

“Elizabeth, I know-I hope you’re there. I’m downstairs and even if I

have to break down the door to see you, I’m willing. If you’re gonna call the cops, well, call ‘em now… I don’t expect anything from you. I don’t deserve anything … Fuck, I don’t even know what I’m trying to say other than I still care about you. Words can’t heal what I’ve done but, fuck, the past is done … I really need to see your face again,” Mayne softly explained after the beep. The words still echoed in his mind as he wondered | if he could’ve possibly phrased things differently. It was too late now, he thought, already inside the building. This was one of the rare occasions after a gig that Mayne was sober. As he arrived by way of elevator at her floor, he heard familiar music. The closer he got to her door the louder the volume grew. Then his world began to spin uncontrollably as a loud gunshot echoed through the hallway. He ran toward her apartment, lowered his shoulder, and with reckless abandon crashed through the wooden door. He’d found Elizabeth on the couch, bleeding profusely, most of her head splattered on the wall behind her. On the blood-sprayed coffee table in front of her was the answering machine, a ballpoint pen, and several

crumpled balls of writing paper. He stood destroyed before her corpse. How could this have happened? All he had ever done was lover her. Devastated, he slowly walked over to the blaring stereo. A CD single of “Without You” was programmed to repeat. He wondered how many times she’d listened to the same song and shut the power off. Then he noticed that next to the answering machine was a note.

Number one with a bullet, the red-speckled note read.

Shaking and convulsing, his tears falling freely, Mayne began screaming at the top of his lungs. It sounded like someone had unleashed a wild animal. His shrieks threatened to break the windows. A migraine pierced his throbbing temples and his entire head was overloaded with pressure. Did she kill herself because they had failed or because he wouldn’t leave her be? Was it the song, one of the few things he’d ever done autonomously, that had driven her to this? Was this really happening? Then another thought came out mind. He removed the pistol from her hand and put it against his temple.

He was going to join her.

CLICK.

It was empty. Elizabeth had known she would only need one bullet.

Mayne snapped out of that nightmare and was thrust into another memory. He recognized the familiar room as the honeymoon suite in Las Vegas and almost felt at ease. The bed was in disarray and Elizabeth was smiling mischievously.

“What do you want to do?”

“Wha’?” Mayne responded, confused.

They’d already drunk several bottles of champagne and made love twice.

“What do you want to do?” she replied softly, daring Mayne to answer.

Mayne caught wind of her game and decided to play along. If she was giving him an option as to what they’d do next, he was definitely going to take advantage of her generosity.

“You can either come up here and tell me that you love me or go down on me.”

Elizabeth’s face registered joy. Words like love were the hardest to get out of Mayne’s mouth. Once again she smiled as she began her descent toward his waistline. It didn’t take her very long to bring him back to life. Several minutes later, when she sensed that he was as excited as he was going to get, Elizabeth looked up at her man and with the sexiest expression she would conjure, softy said, “I love you.”

Mayne came with a slight grunt. The powerful surge had given him something to work at but there was no pleasure in the orgasm. There never was anymore. He tossed the photo album aside and lay on the bed feeling dead, staring at the ceiling. For a split second, he thought he heard musical strands of “Without You” but it was only his imagination. His tired body lay there for what felt like a year before he sat up. At least the drugs on the night table were real. Everything he needed was on the table. Hidden beneath the clock radio was a syringe and a blackened spoon. There was a half-empty glass of water and a lighter next to it. In the spoon he mixed the proper amounts of heroin and water, and then, using the lighter, heated the

bottom of the spoon until the mixture cleared up before placing a tiny piece of cotton into the spoon. With unsteady hands, he added some cocaine and his speedball was complete. Being a high-profile celebrity, he couldn't afford to have his withered arms tracked up too badly. He usually shot into the back of his forearms or his feet. He also injected into his neck but the way he felt right now, he had no time to dillydally. Like an expert acupuncturist, he fixed into a bulging vein in his forearm.

"Cool," he mumbled, carefully examining his arm,as he felt the speedball coming on.

He fell back down on the bed. Between the drugs and his emotions, he

was exhausted. It was a good thing drugs numbed away most of the pressures. He was rushing out as the drug hit him in powerful waves. It took several moments before he realized his left arm was touching something. He slowly rolled over. The photo album was opened to the last page. The last page contained Elizabeth's obituary and a sympathy card. Tears he'd held in since that day began to flow down his cheeks. His | pale face flushed as he felt his strength evaporating. He was drowning in sorrow but didn't believe in self-pity and that made him feel even worse. He sat up hyperventilating with a question echoing inside his head. Why did she have to die? He had no answer and stood up too quickly. Why was everything so fucked? He went back into the living room. He needed whiskey.

Why?

He loved her so much.

Why?

He’d offered her half the royalties. Half. That was a financial empire, but she’d refused.

Why?

He’d tried to make amends. He’d tried being good according to

society’s standards. He wanted to understand everything that had happened to them. He wanted her to love him but no matter how hard | he tried, he fucked it up.

Why?

He wanted to be normal again but that wasn’t possible.

Why?

He wanted to feel closer to Elizabeth but she was dead. That tormented his fragile soul but for a split second of insane logic, Mayne concluded that his body should not be spared either.

“Arrrrrrggghh!” he growled, attacking his living room like a pissed-off brawler. Fists and feet attacked defenseless walls and furniture. He cocked his right fist back and a large hole went through plaster. He snatched an Oriental lamp off an end table and hurled it across the room. He violently threw a marble ashtray into a plaque, ruining both. Breathing heavily and drenched in alcoholic sweat, he grabbed a platinum record and smashed it, spraying glass shards everywhere. The shattered glass on the floor twinkled like sun-reflected sand. No matter how many hotel rooms he trashed during his career, Mayne had never harmed a guitar. That was strictly taboo until today. He walked over to the row of guitars, grabbed a ‘68 Stratocaster by its stringed neck and swung, smashing the mahogany body until it was

little more than firewood. With each self-destructive act, he felt slightly better. He walked over to another platinum disc, readied himself and put his right fist through the glass. Blood spurted from the hand that was heavily insured by Lloyds of London.

For the first time that day he smiled.

Mayne grabbed the Jim Beam bottle off the bar and guzzled. The liquid

painkiller warmed his heaving chest and eased his bleeding hand, which looked like it needed stitches. He walked over to his Fischer stereo, and, using his good hand, turned on the receiver. The digital readout was locked on a classic rock station. It was the only safe station on the dial, since it never played any of | his songs. Mayne Mann was too new, too current. The station only played material from the 60s and 70s. He instantly recognized the song playing; it was Humble Pie's "I Don't Need No Doctor." It was raw rock like this that had inspired him to become a musician. Following the Pie were the Allman Brothers. Mayne could relate to what it felt like being tied to a whipping post.

During the commercials, he went into the kitchen to grab another beer.

Out of his stereo speakers | a record store chain announced its prices as the lowest in Los Angeles. The background music | accompanying the record store commercial was "Without You."

His eyes stung but no tears fell as he realized that no matter where he was, he couldn't hide from himself. Like a man on a mission, he walked over to the stereo, grabbed the receiver, and yanked with both hands. It took several strong tugs before the digital lights went off. With the receiver in

hand, he stumbled backward, ripping wires and knocking over one of the large Bose speakers. Distraught and panting, he made his way to the giant sliding safety glass door that led to the balcony. He casually dropped the high-tech receiver and undid the latch that kept the heavy door locked. Fresh air attacked his senses. The cool breeze felt invigorating as he stepped out onto the balcony and looked over the edge. His jet-black Bentley sat gleaming in the parking lot directly below. He picked the receiver up, held it over the balcony, and aimed it at the car. After several seconds of wondering if his aim was accurate, he let go. Glass spidered wildly when the receiver hit the car's windshield and broke through. He went to fetch the beer he'd been distracted from and ripped the refrigerator door open as hard as he could. It crashed open, spilling several items onto the floor. The door dangled by a hinge. Mayne grabbed a beer, chugged half, and like a strong-armed baseball pitcher threw it at his guitar collection, barely missing his favorite: a vintage '57 Sunburst Les Paul. He grabbed another can from the crippled refrigerator as his eyes returned to the guitars.

The guitars were like adopted children and he loved each one in a different manner.

Certain guitars held certain memories but each guitar had the ability to create magic. It was that potential he respected and admired most about these guitars until this afternoon. Now, no matter how much he loved a certain guitar, or how valuable it might be, all he wanted to do was feel pain. Pain brought him closer to reality. It brought him closer to Elizabeth. He gave the world music, very good music, and asked for little in return. A little space to create, some kicks thrown in, and how about peace of mind? Instead, he had more material goods than he could ever use, more money than he could count, and nothing worth

fighting for. There was a time not too long ago when he'd fought like hell for all of this. Now that he owned a piece of the rock he wished he could give it back. The view from the top wasn't as picturesque as he'd imagined. What he did as his artistic expression, the record company sold for capital. He'd quickly grown disillusioned with the system but what else could he do? Without the industry he couldn't share his music. No matter how hard anyone tried explaining it to him, musical notes would never equal dollar signs. He made music because since his early childhood, he truly loved rock 'n' roll. It was the people, his people, he wrote music for after he finished writing for himself. So then, why couldn't he sleep at night?

He stared at the answer.

He was going to kill his guitars. If it wasn't for these guitars, he wouldn't have the problems he did. And he's save the goddamn '57 Sunburst for last. He guzzled the beer, raising it away from his greedy mouth. Budweiser rained down the side of his face. When the can was almost empty, he crushed and spiked it like a football. Enraged, he grabbed a Les Paul Black Beauty and dealt it a quick but savage death against a wall. He raised a rare Telecaster over his head and clubbed the coffee table, breaking both. Then he picked up another Les Paul and, swinging it like a baseball bat, clobbered a lamp and several other objects before the guitar's neck snapped off.

"Fuckin' cheap shit," he grumbled.

He heard something that had a bit of rhythm to it. Was there a drummer playing in his head? It took several seconds for him to realize that one of the neighbors was pounding on the wall.

“WHAT, A LITTLE TOO LOUD FOR YA?” Mayne shouted at the direction the

noise was coming from. It | didn’t stop.

“YER PISSING ME OFF, ASSHOLE!”

Knock-Knock-Knock-Knock-Knock.

“Motherfucker, I’m giving ya fair fucking warning,” he said.

Knock-Knock-Knock-Knock-Knock.

Mayne walked into the bedroom and over to the night table. He grabbed his cocaine and poured a decent-sized mound on the back of his hand that wasn’t bleeding and snorted. Afterward he licked residue off his fist, numbing his teeth and gums. There was a pack of Marlboros on the table. He grabbed one and lit it. He took a deep drag and listened to his surroundings. The neighbor was still pounding. The ashtray was an overflowing mountain of dead butts so Mayne placed the cigarette on the edge of the night table. He had tried to avoid a confrontation, but the shithead next door wouldn’t let it lie. He went to his wall safe, grabbed the Smith & Wesson .357 Magnum, and charged out of the bedroom. “OKAY, HOMEFUCK, WANNA PLAY GAMES?”

Knock-Knock-Knock-Knock-Knock.

KABAMMM, KABAMMM, KABAMMM.

He unloaded three shots toward the already hole-ridden wall. The pounding stopped instantly. Again he smiled. He aimed the pistol at one of his platinum discs on another wall and blasted the shiny sphere. He aimed at his TV and blew it to kingdom come. One bullet left. He held the silver-plated pistol in awe. He could easily join Elizabeth; all it would take

was one quick squeeze of the trigger. The idea appealed to him. Maybe he'd get it right in his next life. Slowly, eyes closed, he raised the pistol. The trigger teased his scarlet index finger. The barrel felt good against his temple. Readying himself, he reopened his eyes. In front of him, mocking him, were two more Les Paul guitars. There once was a point in his life when these musical embodiments were holy. The dedication and years of practicing were a labor of love. Guitars were his passion, his expression, and his ticket out of obscurity. But all of that changed with one song. Now these guitars were reminders that Mayne could never regain his innocence.

"Can't I fuckin'die with some dignity?" he wondered as rage consumed him.

He couldn't even commit suicide without music somehow interfering. His shaking arm lowered and took aim at one of the guitars. There was heavy recoil as wooden fragments flew everywhere. He put a massive hole in the guitar, and then walked over to examine his accuracy. It was definitely dead, but that wasn't enough. He picked up the remains and threw them against the safety-glass door. He walked over to the balcony's edge. Below, a small crowd had gathered around his ruined luxury car.

"Anybody want an autograph?" he asked, tossing out the fragmented guitar.

"Wait a minute, wait a minute. I got another present!" he yelled, and ran into the bedroom.

His heavy footsteps jarred the cigarette he'd forgotten off the night table. It smoldered on the thick rug. Mayne dug inside the wall safe, grabbed a handful of hundred-dollar

bills, and ran back to the balcony before his audience could scurry away.

“Don’t say I never gave you anything,” he announced, letting the money fly.

Several wary spectators stepped backward but as soon as it was obvious that the confetti was currency, they rushed forward. Mayne waved to the small crowd and went back inside.

One guitar remained.

He stared at the ‘57, marveling at the beautiful colors. It was

appropriately called a Sunburst. Reds, oranges, and yellows swirled in the wooden body. This one had gold trim as well as golden pickups. The Sunburst was his preference of all guitars. He had another two dozen in storage but this guitar was the first thing he bought after Suicide Shift was signed to a recording contract. It was how he’d rewarded himself for having “made it.” This was also the guitar he’d written the music to “Without You” on. He approached it with caution and respect and gently picked it up. He sat down on the floor Indian style. Deep down, he was glad he hadn’t destroyed this ax. His | picking hand hurt badly, but he wanted to play. Blood dripped off his hand and dripped down the guitar’s body. Enthralled, Mayne watched it run. No matter how intoxicated he was, his fingers never betrayed him, and this particular guitar always responded to his call. He began picking something that sounded like Hendrix. He paused abruptly. Something about that last guitar run shook him up and he couldn’t continue. In a vague way, it reminded him of a part in “Without You.” After taking a deep breath, Mayne partially regained his composure.

Multimillionaires like Mayne Mann aren't supposed to cry. They're beyond tears or at least that's what society wants to believe. Mayne Mann was just Stephen Maynard Mandraich, a talented kid who could run his nimble fingers along a piece of stringed wood. He began to strum one of his favorite riffs, Thin Lizzy's "Don't Believe a Word." Even though the guitar wasn't amplified, he could hear it as if it was. He let the last note ring out as he stopped and reflected. He used to love the feel of this instrument in his hands. He used to love making the strings come to life. He used to love just holding this guitar. Then his mind viciously reminded him that he'd also loved the way Elizabeth felt. He quickly rose off the floor and tossed the guitar aside. It landed with a loud DWWWAANNNGGGG.

He stared blankly at the guitar and thought of her. Both had given him so much pleasure, but he'd never been able to properly express his gratitude. He never told her the truth about how she made him feel, about how much he loved her, and when he did, the song reaffirmed that he should've kept his mouth shut. At least she'd still be alive. But the song was pure and he wanted to play it for her. Even if her physical body wasn't present, he could still sing to her in heaven. He wanted to jam but was afraid to touch the guitar.

Then Mayne saw an alternative. He scooped up the almost-dead whiskey bottle and finished what little was left. It slipped silently from his hand. Very drunk, very drugged out, he staggered over to the piano. The smoldering cigarette on the bedroom rug had burned its way over to the goose-down comforter. The cover caught and flames quickly spread throughout the bedroom. Discarded clothing acted as kindling and soon the bedroom was on fire.

Until several hazy hours ago, Mayne's life, no matter how miserable, had been something most people could only dream about. It was all an illusion, and he was one of rock 'n' roll's elite, a hero. Now, he'd been reduced to his basic self and nothing really mattered. He felt the thorns wrapped around his heart and for the first time in far too long, felt human again. He'd smothered his spirituality in drug abuse. He'd stunted his health and personal growth with vice. He'd blinded himself because he was afraid to see that his purpose, his gift in life, was to be true to himself. And the only time he was able to find that inner truth was when he played his music. He softly tapped the ivory keys, making melodies come to life through his fingers. No matter how badly his hand hurt, he persisted in making music. He was determined to play for Elizabeth and all the other angels. With every fluid run, every harmony, every musical accent, his inner pain subsided a little. With each passing musical note, he became one with the music.

Sweating profusely, Mayne felt something stirring behind him. He tried ignoring it for as long as possible. Finally, he turned and saw large flames billowing out of his bedroom. At first he thought it was a hallucination but the fire was scorchingly real and heading his way. His favorite guitar was already engulfed and dying. He wanted to save it but couldn't. He refused to let his jamming be interrupted. Elizabeth was listening. Every time his fingers pressed the Steinway's keys, crimson stained the ivory and smeared. He ignored the small red spots, sliding his long fingers through them. Scarred-up veins bulged from his forearms a sweat ran down his face. All he'd ever wanted to do with his life was play his music and now he was. For the moment, he felt free from his demons. He built up the courage and began singing "Without You" in his natural gruff voice. The thick carpeting quickly became a wall-to-wall inferno as a giant wave of fire rose up and spread around the piano. He

couldn’t have cared less. As flames swallowed the apartment, Mayne never screamed and never missed a note.

The End

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14. [illegible]Unix

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16. [illegible]

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17. [illegible]Linux[illegible]

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1981[illegible]James R. Lilley[illegible]”[illegible]”[illegible]

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1. [illegible]
   Don't criticize, condemn or complain.
2. [illegible]
   Give honest and sincere appreciation.
3. [illegible]
   Arouse in the other person an eager want.

[illegible]

4. [illegible]
   Become genuinely interested in other people.
5. [illegible]
   Smile.
6. [illegible]
   Remember that a person's name is to that person the sweetest and

most important sound in any language.

7. [illegible]
   Be a good listener. Encourage others to talk about themselves.
8. [illegible]
   Talk in terms of the other person's interests.
9. [illegible]
   Make the other person feel important - and do it sincerely.

[illegible]

10. [illegible]
    The only way to get the best of an argument is to avoid it.
11. [illegible]"[illegible]"[illegible]
    Show respect for the other person's opinions. Never say, "You're

wrong."

12. [illegible]
    If you are wrong, admit it quickly and emphatically.
13. [illegible]
    Begin in a friendly way.
14. [illegible]"[illegible]"[illegible]
    Get the other person saying "yes, yes" immediately.

15.
Let the other person do a great deal of the talking.
16.
Let the other person feel that the idea is his or hers.
17.
Try honestly to see things from the other person’s point of view.
18.
Be sympathetic with the other person’s ideas and desires.
19.
Appeal to the nobler motives.
20.
Dramatize your ideas.
21.
Throw down a challenge.

——

22.
Begin with praise and honest appreciation.
23.
Call attention to people’s mistakes indirectly.
24.
Talk about your own mistakes before criticizing the other person.
25.
Ask questions instead of giving direct orders.
26.
Let the other person save face.
27.
Praise the slightest improvement and praise every improvement. Be

“hearty in your approbation and lavish in your praise.”

28. [illegible]
    Give the other person a fine reputation to live up to.
29. [illegible]
    Use encouragement. Make the fault seem easy to correct.
30. [illegible]
    Make the other person happy about doing the thing you suggest.

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[illegible][TechCrunch][illegible][Michael Arrington][illegible]

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9[illegible]AOL[illegible]2500[illegible]Michael Arrington[illegible]

[illegible]Zynga[illegible][[illegible]][illegible] “Startups Are Hard. So Work More, Cry Less, And Quit All The Whining”[illegible]

[illegible][Jamie Zawinski][illegible]1994[illegible][[illegible]][illegible]

> “If you work at a startup and you think you’re working too hard and sacrificing too much, find a job somewhere else that will cater to your needs.”
>
> “[illegible]”

[illegible]
[illegible]

[illegible]Jamie Zawinski[illegible][[illegible]][illegible]Michael Arrington[illegible]

> “He’s using my words to try and back up that thesis.
>
> [illegible]
>
> I hate this, because it’s not true, and it’s disingenuous.

[illegible]

> What is true is that for a VC’s business model to work, it’s necessary for you to give up your life in order for him to become richer.
>
> [illegible]
>
> He’s telling you the story of, “If you bust your ass and don’t sleep, you’ll get rich” because the only way that people in his line of work get richer is if young, poorly-socialized, naive geniuses believe that story! Without those coat-tails to ride, VCs might have to work for a living. Once that kid burns out, they’ll just slot a new one in.
>
> [illegible]”

[illegible]

> “I recommend that you do what you love because you love doing it. If that means long hours, fantastic. If that means leaving the office by 6pm every day for your underwater basket-weaving class, also fantastic.
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[illegible]Jamie Zawinski[illegible]

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[illegible]Michael Arrington[illegible]Jamie Zawinski[illegible]

[illegible]"the netscape dorm."[illegible]
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> **"Time always softens the pain and makes things look like more fun than they really were.**
>
> [illegible]
>
> **But who said everything has to be fun?**
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> [illegible]
>
> **Pain builds character. (Sometimes it builds products, too.)**
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> [illegible]"

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Jamie Zawinski□□□□□□

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(Image credit: m.joedicke)

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[illegible]Tender is the Night[illegible]

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Already with thee! tender is the night…
…But here there is no light,
Save what from heaven is with the breezes blown
Through verdurous glooms and winding mossy ways.

— Ode to a Nightingale

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[illegible]**……**
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‘Tis not through envy of thy happy lot,
But being too happy in thine happiness —
[illegible]
[illegible]

[illegible]

…leave the world unseen
And with thee fade away into the forest dim.
[illegible]

[illegible]

[illegible]

Here, where men sit and hear each other groan;
Where palsy shakes a few, sad, last grey hairs.
[illegible]
[illegible]

[illegible]

…But here there is no light,
Save what from heaven is with the breezes blown
……[illegible]
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[illegible]

I cannot see what flowers are at my feet,
Nor what soft incense hangs upon the boughs,
[illegible]
[illegible]

[illegible]

Darkling I listen; and for many a time
I have been half in love with easeful Death
[illegible]
[illegible]

[illegible]

Thou wast not born for death, immortal Bird!
No hungry generations tread thee down;

[illegible]
[illegible]

[illegible]

Was is a vision, or a waking dream?
Fled is that music — Do I wake or sleep?
[illegible]
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Here, where men sit and hear each other groan;
[illegible]
Where palsy shakes a few, sad, last grey hairs.
[illegible]
Where youth grows pale, and spectre-thin, and dies;
[illegible]
Where but to think is to be full of sorrow
[illegible]
And leaden-eyed despairs;
[illegible]
Where Beauty cannot keep her lustrous eyes,
[illegible]
Or new Love pine at them beyond to-morrow.
[illegible]

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Note

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[illegible]It Is Everyone’s Duty To Defy Unjust Laws[illegible] Rick Falkvinge[illegible]

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> I sometimes hear people claim that laws exist to be followed. These people are the most dangerous people who exist in a society.
>
> **“[illegible]”**
>
> Tyranny is never upheld through law; it is upheld through thousands of bureaucrats that follow the letter of the law just because they believe in rules and law.
>
> **“[illegible]”**

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Doing so in a conscious way dates back to Socrates, who was the first to claim that there is a moral law that transcends and supersedes the law of the land.

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Laws are not made because they are righteous. Laws are made because they advance somebody’s political career.

“[illegible]”

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A person who considers the orders, rules or laws to be wrong has a duty to defy them. Every single war criminal learned this before they were hanged. On the other hand, many resistance fighters learned the opposite before they were shot.

“[illegible]”

At the end of the day, you have only your own moral compass. You must decide whether to follow the law, and in considering this, you need to understand why the law was made in the first place.

“[illegible]”

Usually, it makes sense to follow most laws, most of the time. But not all laws, all of the time. People who are

> standing waiting at a hung red stoplight at 2am with no human being nor car in sight are not just stupid, but downright dangerous.
>
> **“[illegible]”**
>
> Does this mean I encourage breaking the law? No. Mostly it doesn’t mean that because doing so would be too flauntingly illegal. However, in the spirit of discretion, I encourage everybody to follow their own moral compass and to help their fellow human beings.
>
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> The government itself, which is only the mode which the people have chosen to execute their will, is equally liable to be abused and perverted before the people can act through it.
>
> **“[illegible]”**

Governments show thus how successfully men can be imposed upon, even impose on themselves, for their own advantage.

“[illegible]”

when the power is once in the hands of the people, a majority are permitted, and for a long period continue, to rule is not because they are most likely to be in the right, nor because this seems fairest to the minority, but because they are physically the strongest. But a government in which the majority rule in all cases can not be based on justice, even as far as men understand it.

“[illegible]”

I think that we should be men first, and subjects afterward. It is not desirable to cultivate a respect for the law, so much as for the right. The only obligation which I have a right to assume is to do at any time what I think right.

“[illegible]”

But when the friction comes to have its machine, and oppression and robbery are organized, I say, let us not have such a machine any longer.

“[illegible]”

But it is the fault of the government itself that the remedy is worse than the evil. It makes it worse. Why is it not more apt to anticipate and provide for reform?

Why does it not cherish its wise minority? Why does it cry and resist before it is hurt? Why does it not encourage its citizens to put out its faults, and do better than it would have them?

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Any man more right than his neighbors constitutes a majority of one already.

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Hackers: Heroes of the Computer Revolution

Steven Levy [illegible]

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1.

They had grown up with a specific relationship to the world, wherein things had meaning only if you found out how they worked.

[illegible]

2.

It was the predictability and controllability of a computer system—as opposed to the hopelessly random problems in a human relationship—which made hacking particularly attractive.

[illegible]

3.

The Right Thing to do was to make sure that any good program got the fullest exposure possible, because information was free and the world would only be improved by its accelerated flow.

[illegible]

4.

No sooner did he decide to do something than he began work on it. He didn’t bother to notify his superiors.

[illegible]

5.

[One day,] You realize that computer is not just a random piece of equipment, but something hooked to a system that you can endlessly explore.

[illegible]

6.

To a hacker, a closed door is an insult, and a locked door is an outrage.

[illegible]

7.

In one side of the world, people were locking everything up and controlling things and preventing information from flowing the wrong way and things from being stolen.

[illegible]

Then there was another side of the world where people felt everything should be available to everybody.

[illegible]

8.

Bureaucrats knew their survival depended on keeping people in ignorance, by using artificial means—like locks—to keep people under control.

[illegible]

9.

These hackers actually thought that a person was entitled to use a tool just because he thought he could do something useful with it.

[illegible]

10.

He “wasn’t interested” in the teachers, the students, or anything that went on in school. He was interested in building systems.

[illegible]

11.

Controlling a robot was a step beyond computer programming in controlling the system that was the real world.

[illegible]

12.

[Hacker’s programming is like] Hightech Tom Sawyer painting a fence with assembly code.

[illegible]·[illegible]

13.

Theorists and grad students did not necessarily see the process of computing as a joyful end in itself: they were more concerned with getting degrees, winning professional recognition, and the, ahem, advancement of computer science.

[illegible]

They were all in the midst of scholarly and scientific theses and dissertations which pontificated on the difficulty of doing the kind of thing that hackers were attempting.

[illegible]

14.

Improve the world by understanding and building systems.

[illegible]

15.

Who you were didn’t matter as much as what kind of hacker you were.

[illegible]

16.

The most important thing we can do with the world is avoid randomness, and figure out ways by which things can be planned.

[illegible]

17.

All serious computer programs are expressions of an individual.

[illegible]

The important thing about a program is that it’s something you can show to people, and they can read it and they can learn something from it. It carries information. It’s a piece of your mind that you can write down and give to someone else just like a book.

[illegible]

18.

One of the really fun things about computers is that you have control over them. When you have a bureaucracy around a computer you no longer have control over it.

[illegible]

19.

[In some places,] Develop a program that might have only sometimes worked, or might have some danger of crashing the system, that was not encouraged. You want an environment where making those mistakes is not something for which you’re castigated, but an environment where people say, “Oops, you made a mistake.”

[illegible]

20.

The best way to get hackers to do things was to suggest them, and hope that the hackers would be interested enough. Then you would get production unheard of in industry or academia.

[illegible]

21.

It is indeed true that large systems are never “finished.”

[illegible]

22.

A benevolently anarchistic lifestyle dedicated to productivity and passion. Art, science, and play had merged into the magical activity of programming.

[illegible]

23.

[The outside of the world] did not regard computers with the same respect and fascination as did the hackers. And they did not necessarily regard the hackers’ intentions as benign and idealistic.

[illegible]

24.

There were many, many, many years that went by when all I did was hack computers, and I didn’t feel lonely, like I was missing anything. But I guess as I started to grow up more, round out more, change more, become less eccentric in certain ways, I started needing more input from people.

[illegible]

25.

It was sort of necessary for these people to be extremely brilliant and in some sense, handicapped socially so that they would just kind of concentrate on this one thing.

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Have something to bring to the table, because that will make you more welcome.

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You’ve got to get the fundamentals down because otherwise the fancy stuff isn’t going to work.

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4.

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That was a bit of a setback.

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But remember, the brick walls are there for a reason.

[illegible]

The brick walls are not there to keep us out. The brick walls are there to give us a chance to show how badly we want something.

[illegible]

Because the brick walls are there to stop the people who don’t want it badly enough. They’re there to stop the other people.

[illegible]

Remember brick walls let us show our dedication.They are there to separate us from the people who don’t really want to achieve their childhood dreams.

[illegible]

5.

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i. Helping others.

[illegible]

ii. Never lose the childlike wonder. It’s what drives us.

[illegible]

iii. Loyalty is a two way street.

[illegible]

iv. Never give up.

[illegible]

**v. You can’t get there alone. People have to help you. You get people to

help you by telling the truth.**

[illegible]

vi. Apologize when you screw up and focus on other people, not on yourself.

[illegible]

vii. When you do the right thing, good stuff has a way of happening.

[illegible]

viii. Get a feedback loop and listen to it.

[illegible]

ix. Show gratitude.

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x. Don’t complain. Just work harder.

[illegible]

xi. Be good at something, it makes you valuable.

[illegible]

xii. Work hard.

[illegible]

xiii. Find the best in everybody.

xiv. Be prepared. Luck is truly where preparation meets opportunity.

6.

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Late in the summer of 2006, I started having some unusual

symptoms, culminating with jaudice. Scans revealed it was pancreatic cancer. At this time, my wife Jai and I had a 4 year old, a 2 year old, and a three month old baby.

2006
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Pancreatic cancer is the most deadly of cancers, with only a 4%

5-year survival rate. The only hope is to be one of the 20% of patients (which I was) where surgery is possible. I had a Whipple surgery on Sept 19th, 2006; Dr. Herbert Zeh removed the (4.5cm) tumor, my gallbladder, 1/3rd of my pancreas, 1/3rd of my stomach, and several feet of my small intestine. I was in the hospital 11 days. Even with a successful Whipple surgery, only 15% of pancreatic cancer patients make it to 5 years, and there

is no concensus about which chemotherapy and/or radiation after surgery helps. I found the Virginia Mason protocol, where early trials were claiming to get 45% of people to 5 years. However, it was an extremely toxic combination of chemotherapy and daily radiation: a nation-wide trial was shut down because several patients died from the treatment. There were two centers still offering the treatment: Virginia Mason in Seattle, and MD Anderson in Houston, and I was able to quality for the treatment in Houston. This happened in a whirlwind: the treatment needed to start within 6-8 weeks of the surgery. And Jai & I needed to figure out how to have somebody stay with me full time, and also take care of our 3 kids. | □□□□□□□□□□□□5□□□□□ 4% □□□□□□□□□□ 20%□□□□□□□□□□□□□□□□□□2006□ 9□19□□□□□□□□□□□□□□□Whipple□□□□□·□□□□□□□□□□□4.5cm□□□□□1/3□□□□1/3□□□□□□□□□□□□□□□□□11 □□□□Whipple□□□□□□□□ 15%□□□□□□□□□□ 5□□□5□□□□□□□ 45%□□□ 6-8□□□□□□□□□□□□□□□□□□□□□□□□□□□□□3□□□□□□□□□□□□□□□□

I spent November and December at MD Anderson receiving IV

Cisplatin once a week, interferon injections three times a week, continuous infusion 5-FU, and daily radiation. Fortunately, Jai's brother and sister-in-law took in our three kids (on top of their 8 and 12 year old), in Norfolk Virginia, while Jai stayed with me in Houston. Every weekend, Jai flew to Norfolk to be with our kids, and my sister Ruby or one of my friends (thank God for Jessica Hodgins, Scott Sherman, and Jack Sheriff) would come stay with me. I was also blessed with my colleague Chris Hoffmann, a CS professor at Purdue who had been

through this exact ordeal two years prior: his encouragment and practical tips were invaluable in getting through the treatment. The less I say about Houston the better, but by the end I was barely able to walk, and my weight (starting at 182) dropped to 138. [illegible]11[illegible] 12[illegible]5-[illegible]8[illegible]12[illegible]·[illegible]·[illegible]·[illegible]·[illegible] 182[illegible] 138[illegible] The next four months of chemo (continuous infusion 5-FU) was back in Pittsburgh, through May 2007. Now, I’m 168 pounds and look normal. (To answer everybody’s first question, no, my hair never fell out). One additional treatment is a vaccine done at Johns Hopkins: I don’t expect it will change my odds much, but it can’t hurt. I still have digestive inconveniences from the Whipple surgery: I have to eat 5 small meals a day and take pills with each meal, and I have some abdominal cramping from time to time. A small price to pay for walking around. [illegible]5-[illegible] 2007 [illegible] 5 [illegible]168[illegible] 5[illegible] In August of 2007, we learned that the cancer had returned, having metastasized to my liver and spleen, which is a death sentence. At that time, the doctors gave me an estimate of having 3-6 months of healthy living left. On Oct 1st, we learned that the first round of palliative chemotherapy was working, and that I would likely be “more like the 6 than like the 3 in that estimate.” 2007[illegible]8[illegible] 3-6[illegible]10[illegible]1[illegible]6[illegible]3[illegible] | My wife Jai has been an incredible source of stability and courage through all this. We both

agree that “you can’t control the cards you’re dealt, just how you play the hand.”

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Randy Pausch, October 2007

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A Lonely Drifter Off To See The World

ruanyifeng.com

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> two drifters off to see the world
> there's such a lot of world to see…
> for every lonely and wandering soul, there is a lucky star behind
>
> the darkness, waiting and shining with the freshest hope and warmest aura.
>
> some day. till then

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[illegible]·[illegible]Alan Dershowitz[illegible]

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[illegible]The system of justice is only as good as it is toward the worst person.[illegible]

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[illegible]fight bad speech with good speech, but do not limit speech.[illegible]

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We have made thee neither of heaven nor of earth, Neither mortal

or immortal, So that with freedom of choice and with honor, As thought the maker and molder of thyself, Thou mayest fashion thyself in whatever shape thou shalt prefer. | Thou shalt have the power out of thy soul’s judgment, | to be reborn into the higher forms, which are divine.

—— [illegible]·[illegible]·[illegible]（Giovanni Pico della Mirandola，1463－1494）[illegible]

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For all his bluster, it is the sad province of Man that he cannot choose his triumph. He can only choose how he will stand when the call of destiny comes. Hoping that he’ll have the courage to answer.

2.

- [illegible]

- You see, I think there comes a time when a man as to ask himself

whether he wants a life of | happiness or a life of meaning.

- [illegible]

- I’d like to have both.

- [illegible]

- Can’t be done. Two very different paths. I mean, to be truly happy, a

man must live absolutely in the present. No thought of what’s gone before and no thought of what lies ahead. But a life of meaning, a man is condemned to wallow in the past and obsess about the future.

3.

[illegible]”[illegible]”[illegible]zugunruhe[illegible]

When a change comes, some species feel the urge to migrate.They call it zugunruhe. The pull of the soul to a far-off place. Following a scent in the wind, a star in the sky.The ancient message comes,calling the kindred to take flight and to gather together. Only then can they hope to survive the cruel season to come.

4.

[illegible]……

The earth is large. Large enough that you think you can hide from anything. From fate. From god. If only you found a place far enough away. So you run to the edge of the earth Where all is safe again,quiet and warm. The solace of salt air. The peace of danger left behind.The luxury of grief. And maybe for a moment… You believe you have escaped.

[illegible]

You can run far. You can take your small precautions. But have you really gotten away? Can you ever escape? Or is the truth that you do not have the strength or cunning to hide from destiny? What? Nothing. But the world is not small. You are. And fate can find you anywhere.

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http://www.wherethehellismatt.com

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——[illegible]Megatrends: Ten New Directions Transforming Our Lives[illegible]

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To live is the rarest thing in the world. Most people exist, that is all.

2.

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Marriage is the triumph of imagination over intelligence. Second marriage is the triumph of hope over experience.

3.

[illegible]

Fashion is a form of ugliness so intolerable that we have to alter it every six months.

4.

[illegible]

Bachelors should be heavily taxed. It is not fair that some men should be happier than others.

[illegible]Oscar

Wilde[illegible]19[illegible]wit([illegible])[illegible]

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Life is one fool thing after another whereas love is two fool things after each other.

[illegible]

Like dear St Francis of Assisi I am wedded to Poverty: but in my case the marriage is not a success.

[illegible]

Music makes one feel so romantic—at least it always gets on one’s nerves, which is the same thing nowadays.

[illegible]

No woman should ever be quite accurate about her age. It looks so calculating.

[illegible]

One should never trust a woman who tells her real age. If she tells that, she’ll tell anything.

[illegible]

Please do not shoot the pianist. He is doing his best.

[illegible]

Science is the record of dead religions.

[illegible]

The Book of Life begins with a man and a woman in a garden…It ends with Revelations.

[illegible]……[illegible]

The difference between journalism and literature is that journalism is unreadable and literature is not read.

[illegible]

The only difference between saints and sinners is that every saint has a past while every sinner has a future.

[illegible]

The only thing to do with good advice is to pass it on. It is never of any use to oneself.

[illegible]

The only way to get rid of a temptation is to yield to it.

[illegible]

The play was a great success, but the audience was a disaster.

[illegible]

The public is wonderfully tolerant. It forgives everything except genius.

[illegible]

There is only one thing in the world worse than being talked about, and that is not being talked about.

[illegible]

Thirty five is a very attractive age; London society is full of women who have of their own free choice remained thirty-five for years.

[illegible]

This suspense is terrible. I hope it will last.

[illegible]

Time is a waste of money.

[illegible]

To love oneself is the beginning of a lifelong romance.

[illegible]

When I was young I used to think that money was the most important thing in life. Now that I am old, I know it is.

[illegible]

Whenever people agree with me I always feel I must be wrong.

[illegible]

Young men want to be faithful, and are not; old men want to be faithless, and cannot.

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> The rain came down.
> Hard, then soft.
> It hit the grass.
> Green, then wet.
> Wet, so wet.
> It remained me of you.
>
> You always smell like the rain.
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13.

[illegible]

14.

[illegible]

“[illegible]”

[illegible]

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[illegible]:
http://www.ruanyifeng.com/blog/2006/10/quotes_from_rich_dad_poor_dad.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

[illegible]

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[illegible]John Keats[illegible]On the Grasshopper and Cricket[illegible]

[illegible]
[illegible]
[illegible]
On a lone winter evening, when the frost
Has wrought a silence, from the stove there shrills
The Cricket's song

[illegible]"[illegible]"[illegible]

[illegible]Cricket on the hearth[illegible]

[illegible]Google[illegible]

[illegible]wikipedia[illegible][illegible][illegible]13[illegible]60[illegible]Dolbear's Law[illegible]

T[illegible]10+(N[illegible]40)/7

[illegible]T[illegible]N[illegible]

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[illegible]Memoirs of Goran Malmqvist[illegible]

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[illegible]10[illegible]82[illegible]

[illegible]8[illegible]1950[illegible]

[illegible]50[illegible]

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[illegible]: http://www.ruanyifeng.com/blog/2006/10/technology_disciplines_and_thought_disciplines.html [illegible]: [illegible]

[illegible]·[illegible]Paul Getty[illegible]

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[illegible]·[illegible]John Paul Getty[illegible]1892 - 1976[illegible]

1.

[illegible]60[illegible]60[illegible]

Going to work for a large company is like getting on a train. Are you going sixty miles an hour or is the train going sixty miles an hour and you’re just sitting still?

2.

[illegible]100[illegible]1[illegible]

If you owe the bank $100 that’s your problem. If you owe the bank $100 million, that’s the bank’s problem.

3.

**[illegible] **

In times of rapid change, experience could be your worst enemy.

[[illegible]]

1. [illegible]·[illegible]

2. Paul Getty Quotes

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[illegible]

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[illegible]2005[illegible]

* [illegible]

* [illegible]

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* [illegible]

* [illegible]

* [illegible]

* [illegible]

* [illegible]

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* [illegible]

* [illegible]

* [[illegible]J. Millson] [illegible]1968[illegible]300
[illegible]

* [illegible]

* [illegible]

* [illegible]

* [illegible]

* “[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

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Uomini[illegible]Uomini[illegible]2200[illegible]100[illegible]

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[illegible]·[illegible]

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[illegible]·[illegible]Juliette Drouet[illegible]50[illegible]

[illegible]

[illegible] [illegible]

[illegible]·[illegible]·[illegible]1001[illegible]

[illegible]·[illegible]2000[illegible]

[illegible]·[illegible]

1.

[illegible]……

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[illegible]……[illegible]……

9.

[illegible]……[illegible]……

10.

[illegible]……[illegible]”[illegible]”[illegible]——[illegible]——[illegible]——[illegible]

11.

[illegible]……

12.

[illegible]……[illegible]……[illegible]……

13.

[illegible]……

14.

[illegible]……

15.

[illegible]……

16.

[illegible]……

17.

[illegible]……

18.

[illegible]’[illegible]’[illegible]’[illegible]’……

19.

[illegible]……

20.

[illegible]……[illegible]……

21.

[illegible]……

22.

[illegible]……[illegible]……

23.

[illegible]……

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[illegible]……

25.

[illegible]……

26.

[illegible]……

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[illegible]……

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[illegible]……[illegible]
[illegible]……

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[illegible]: http://www.ruanyifeng.com/blog/2006/09/love_letters_of_juliette_drouet.html [illegible]: [illegible]

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[illegible]——[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

When a man rides a long time through wild regions he feels the desire for a city.

[illegible]

Finally he comes to Isidora, a city where the buildings have spiral staircases encrusted with spiral seashells, where perfect telescopes and violins are made, where the foreigner hesitating between two women always encounters a third, where cockfights degenerate into bloody brawls among the bettors.

[illegible]

He was thinking of all these things when he dedired a city.

[illegible]

Isidora, therefore, is the city of his dreams: with one difference.

[illegible]

The dreamed-of city contained him as a young man; he arrives at Isidora in his old age.

[illegible]

In the square there is the wall where the old men sit and watch the young go by; he is seated in a row with them.

[illegible]

Desires are already memories.

[illegible]

[illegible]

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[illegible]: http://www.ruanyifeng.com/blog/2006/08/desires_are_already_memories.html [illegible]: [illegible]

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[illegible]

[illegible]1980[illegible]1[illegible]8[illegible]1980[illegible]16[illegible]2004[illegible]
[illegible]

[illegible]
[illegible]Paul Krugman[illegible]Brad DeLong[illegible]

Paul Krugman[illegible]

> [illegible]
>
> In short, it’s a great economy if you’re a high-level corporate executive or someone who owns a lot of stock. For most other Americans, economic growth is a spectator sport.

[illegible]

[illegible]Paul[illegible]

[illegible]

[illegible]

1.Gary Becker, Is the Increased Earnings Inequality among Americans Bad?

2.Greg Mankiw, Lazear vs Krugman

3.Paul Krugman, Left Behind Economics

4.Brad DeLong, The Pattern of Growth in Income Inequality

5.Thomas Piketty, Emmanuel Saez, The Evolution of Top Incomes: A Historical and International Perspective

P.S.

[illegible]

[illegible][illegible][illegible]

[illegible]”[illegible]”[illegible][illegible][illegible]

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[illegible]

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[illegible]Sound and Fury[illegible]

[illegible]

[illegible]……[illegible]

[illegible]

[illegible]

Pretty soon the car came. I got on it, they turning to look at my eye, and found a seat on the left side.

[illegible]

The lights were on in the car, so while we ran between trees I couldn’t see anything except my own face and a woman across the aisle with a hat sitting right on top of her head, with a broken feather in it, but when we ran out of the trees I could see the twilight again, that quality of light as if time really had stopped for a while, with the sun hanging just under the horizon, and then we passed the marquee where the old man had been eating out of the sack, and the road

going on under the twilight, into twilight and the sense of water peaceful and swift beyond.

[illegible]

Then the car went on, the draft building steadily up in the open door until it was drawing steadily through the car with the odor of summer and darkness except honeysuckle.

[illegible]

Honeysuckle was the saddest odor of all, I think.

[illegible]

I remember lots of them. Wistaria was one.

[illegible]

On the rainy days when Mother wasn’t feeling quite bad enough to stay away from the windows we used to play under it.

[illegible]

When Mother stayed in bed Dilsey would put old clothes on us and let us go out in the rain because she said rain never hurt young folks.

[illegible]

But if Mother was up we always began by playing on the porch until she said we were making too much noise, then we went out and played under the wisteria frame.

[illegible]

This was where I saw the river for the last time this morning, about here.

I could feel water beyond the twilight, smell.

When it bloomed in the spring and it rained the smell was everywhere you didn’t notice it so much at other times but when it rained the smell began to come into the house at twilight either it would rain more at twilight or there was something in the light itself but it always smelled strongest then until I would lie in bed thinking when will it stop when will it stop.

The draft in the door smelled of water, a damp steady breath.

Sometimes I could put myself to sleep saying that over and over until after the honeysuckle got all mixed up in it the whole thing came to symbolis night and unrest I seemed to be lying neither asleep nor awake looking down a long corridor of gray halflight where all stable things had become shadowy paradoxical all I had done shadows all I had felt suffered taking visible form antic and perverse mocking without relevance inherent themselves with the denial of

the significance they should have affirmed thinking I was I was not who was not was not who.

[illegible]

I could smell the curves of the river beyond the dusk and I saw the last light supine and tranquil upon tideflats like pieces of broken mirror, then beyond them lights began in the pale clear air, trembling a little like butterflies hovering a long way off.

……

[illegible]

The car stopped.

[illegible]

I got out, with them looking at my eye.

[illegible]

When the trolley came it was full.

[illegible]

I stopped on the back platform.

“[illegible]”[illegible]

“Seats up front,” the conductor said.

[illegible]

I looked into the car. There were no seats on the left side.

“□□□□□□□”□□□”□□□□□□□□”

“I’m not going far,” I said. “I’ll just stand here.”

□□□□□□

We crossed the river.

□□□
□□□□

The bridge, that is, arching slow and high into space, between silence and nothingness where lights— yellow and red and green—trembled in the clear air, repeating themselves.

“□□□□□□□□□□□□”□□□□
“Better go up front and get a seat,” the conductor said.

“□□□□□□□□”□□□”□□□□□□□□□”

“I get off pretty soon,” I said. “A couple of blocks.”

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http://www.ruanyifeng.com/blog/2006/08/quentin_suicide_from_sound_and_fury_by_william_faulkner.html □□: □□□

[illegible]

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[illegible]Matrix Reloaded[illegible]

1

[illegible]Neo[illegible]Neo[illegible]

Neo[illegible]……[illegible]

[illegible]

Neo[illegible]

[illegible]

2

[illegible]Hamann[illegible]Neo[illegible]

[illegible]

Neo[illegible]

[illegible]”[illegible]”[illegible]

Neo[illegible]”[illegible]”[illegible]

[illegible]……[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

3

[illegible]Neo[illegible]

[illegible]

Neo[illegible]

[illegible]

Neo[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]: [illegible] http://www.me115.com

[illegible]Hamlet[illegible]

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99.

[illegible].

[illegible] let your own discretion be your tutor.(III.2)

100.

[illegible]

[illegible] this overdone,or come tardy off, though it make the unskilful

laugh, cannot but make the judicious grieve; the | censure of the which one must in your allowance | o’erweigh a whole theatre of others. (III.2)

101.

[illegible].

[illegible] Give me that man That is not passion’s slave, and I will wear him In my heart’s core.(III.2)

102.

[illegible]

[illegible] So many journeys may the sun and moon
Make us again count o’er ere love be done!(III.2)

103.

[illegible]

[□□] Never alone Did the king sigh, but with a general groan.(III.3)

104.

[illegible]

[□□] You go not till I set you up a glass
Where you may see the inmost part of you.(III.4)

105.

[illegible]

[□□] Conceit in weakest bodies strongest works.(III.4)

106.

[illegible]

[□□] bad begins and worse remains behind.(III.4)

107.

[illegible]

[□□] What is a man,If his chief good and market of his time
Be but to sleep and feed? a beast, no more.(IV.4)

108.

[illegible]

[□□] When sorrows come, they come not single spies But in battalions. (IV.5)

109.

□□□□□□□□□□□□□□□□□□□□□

[□□] Conscience and grace, to the profoundest pit!(IV.5)

110.

□□□□□□□□□□□□□□□□□□□□□□□

[□□] To this point I stand,That both the worlds I give to negligence,Let come what comes.(IV.5)

111.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] My virtue or my plague, be it either which—
She’s so conjunctive to my life and soul.□IV.6□

112.

□□□
□□□□□□

[□□] we would do We should do when we would; for this ‘would’

changes | And hath abatements and delays as many | As there are tongues, are hands, are accidents;□IV.6□

113.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] Why may not imagination trace the noble dust of Alexander,
till he find it stopping a bung-hole?（V.1）

114.

□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] An hour of quiet shortly shall we see;
Till then, in patience our proceeding be.（V.1）

115.

□□□□□□□□□□□□□□□□□□

[□□] in my heart there was a kind of fighting,
That would not let me sleep.(V.2)

116.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] Our indiscretion sometimes serves us well,
When our deep plots do pall.(V.2)

117.

□□□□□□□□□□□□□□□□□□□□□□□

[□□] There’s a divinity that shapes our ends.(V.2)

118.

□□

[□□] ‘Tis dangerous when the baser nature comes Between the pass and

fell incensed points | Of mighty opposites.(V.2)

119.

[illegible]

[[illegible]] If it be now, ‘tis not to come; if it be not to come, it will

be | now; if it be not now, yet it will come: the readiness is all.(V.2)

120.

[illegible]

[[illegible]] Now cracks a noble heart. (V.2)

121.

[illegible]

[[illegible]] with sorrow I embrace my fortune.(V.2)

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2006/07/hamlet_2.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

[illegible]Hamlet[illegible]

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56.

[illegible]

[[illegible]] The flash and outbreak of a fiery mind,
A savageness in unreclaimed blood.[illegible]II.1[illegible]

57.

[illegible]

[[illegible]] As if he had been loosed out of hell
To speak of horrors.[illegible]II.1[illegible]

58.

[illegible]

[[illegible]] He raised a sigh so piteous and profound
As it did seem to shatter all his bulk
And end his being.[illegible]II.1[illegible]

59.

[illegible]

[[illegible]] it is as proper to our age To cast beyond ourselves in our

opinions | As it is common for the younger sort | To lack discretion.[illegible]II.1[illegible]

60.

[illegible]

[[illegible]] brevity is the soul of wit.[illegible]II.2[illegible]

61.

[illegible]

[[illegible]] More matter, with less art.[illegible]II.2[illegible]

62.

**[illegible] [illegible]
[illegible] [illegible]**

[[illegible]] Doubt thou the stars are fire; Doubt that the sun doth move;
Doubt truth to be a liar;
But never doubt I love.[illegible]II.2[illegible]

63.

[illegible].

[[illegible]] I have not art to reckon my groans.[illegible]II.2[illegible]

64.

[illegible]

[[illegible]] to be honest, as this world goes, is to be
one man picked out of ten thousand.[illegible]II.2[illegible]

65.

□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] conception is a blessing: but not as your daughter may conceive. □II.2□

66.

**—□□□□□□□□□□

—□□□□□□□□□□□□□□**

[□□] What do you read, my lord?

Words, words, words.□II.2□

67.

□□□□□□□□□□□□□□

[□□] Though this be madness, yet there is method in ‘t. □II.2□

68.

□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□ □□□□ □□□□□□□□□□□□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□□□□□□□□□□□□□ □□□□□ □□□□ □□□□□□□□□□ □□□□□ □□□□□□ □□□□ □□ □□□□□□□□□□□□□□□□□□□ □□□□ □□□□□□□□□□□□□□□□□ □□□□ | | □□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] HAMLET

My excellent good friends! How dost thou, Guildenstern? Ah, Rosencrantz! Good lads, how do ye both?

ROSENCRANTZ

As the indifferent children of the earth.

GUILDENSTERN

Happy, in that we are not over-happy;
On fortune’s cap we are not the very button.

HAMLET

Nor the soles of her shoe?

ROSENCRANTZ

Neither, my lord.

HAMLET

Then you live about her waist, or in the middle of
her favours?

GUILDENSTERN

‘Faith, her privates we.

HAMLET

In the secret parts of fortune? O, most true; she
is a strumpet. □II.2□

69.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] The world is a goodly prison; in which there are many
confines,
wards and dungeons, Denmark being one o’ the worst.□II.2□

70.

[illegible]

[[illegible]] there is nothing either good or bad, but thinking makes it so.[illegible]II.2[illegible]

71.

[illegible]

[[illegible]] I could be bounded in a nut shell and count myself a king of infinite space.[illegible]II.2[illegible]

72.

[illegible]

[[illegible]] A dream itself is but a shadow.[illegible]II.2[illegible]

73.

[illegible]

[[illegible]] Beggar that I am, I am even poor in thanks.[illegible]II.2[illegible]

74.

[illegible]

[[illegible]] there is a kind of confession in your looks which your modesties have not craft enough to colour.[illegible]II.2[illegible]

75.

[illegible]

[[illegible]] this majestical roof fretted

with golden fire, why, it appears no other thing to
me than a foul and pestilent congregation of vapours.□II.2□

76.

[illegible]

[□□] man delights not me; no, nor woman neither. □II.2□

77.

[illegible]

[□□] the lover shall not sigh gratis.□II.2□

78.

[illegible]

[□□] there is, sir, an aery of children, little eyases,
that cry out on the top of question, and are most
tyrannically clapped for’t: these are now the fashion.□II.2□

79.

[illegible]

[□□] there is something in this more than natural.□II.2□

80.

[illegible]

[□□] the appurtenance of welcome is fashion and ceremony.
□II.2□

81.

[illegible]

[illegible] an old man is twice a child.（II.2）

82.

[illegible]

[illegible] as wholesome as sweet, and by very much more handsome than fine.（II.2）

83.

[illegible]

[illegible] they are the abstract and brief chronicles of the time.（II.2）

84.

[illegible]

[illegible] after your death you were better have a bad epitaph than their ill report while you live.（II.2）

85.

[illegible]

[illegible] use every man after his desert, and who should ‘scape whipping?（II.2）

86.

[illegible]

[illegible] The devil Abuses me to damn me, perhaps Out of my weakness and my melancholy,As he is very potent with such spirits,[illegible]II.2[illegible]

87.

[illegible]

[illegible] Niggard of question; but, of our demands,
Most free in his reply.[illegible]III.1[illegible]

88.

[illegible]

[illegible] ‘Tis too much proved—that with devotion’s visage
And pious action we do sugar o’er
The devil himself.[illegible]III.1[illegible]

89.

[illegible]

[illegible] How smart a lash that speech doth give my conscience!
[illegible]III.1[illegible]

90.

[illegible]

[illegible]

[[illegible]] To be, or not to be: that is the question: Whether ‘tis nobler

in the mind to suffer The slings and arrows of outrageous fortune, Or to take arms against a sea of troubles, And by opposing end them? To die: to sleep; No more; and by a sleep to say we end The heart-ache and the thousand natural shocks That flesh is heir to, ‘tis a consummation Devoutly to be wish’d. To die, to sleep; To sleep: perchance to dream: ay, there’s the rub; For in that sleep of death what dreams may come When we have shuffled off this mortal coil, Must give us pause: there’s the respect That makes calamity of so long life; For who would bear the whips and scorns of time, The oppressor’s wrong, the proud man’s contumely, The pangs of despised love, the law’s delay, The insolence of office and the spurns That patient merit of the unworthy takes, When he himself might his quietus make With a bare bodkin? who would fardels bear, To grunt and sweat under a weary life, But that the dread of something after death, The undiscover’d country from whose bourn No traveller returns, puzzles the will And makes us rather bear those ills we have Than fly to others that we know not of? Thus conscience does make cowards of us all; And thus the native hue of resolution Is sicklied o’er with the pale cast of thought, And enterprises of great pith and moment | With this regard their currents turn awry, | And lose the name of action.[illegible]III.1[illegible]

91.

[illegible]

[[illegible]] for to the noble mind

Rich gifts wax poor when givers prove unkind.□III.1□

92.

—[illegible] **—**[illegible]
[□□] — I did love you once.
— Indeed, you made me believe so.□III.1□

93.

[illegible]

[□□] I have heard of your paintings too, well enough; God has given you one face, and you make yourselves another.□III.1□

94.

[illegible]

[□□] make your wantonness your ignorance.□III.1□

95.

[illegible]

[□□] what a noble mind is here o’erthrown!□III.1□

96.

[illegible]

[□□] O, woe is me,
To have seen what I have seen, see what I see!□III.1□

97.

[illegible]

[□□] There’s something in his soul,O’er which his melancholy sits on brood;□III.1□

98.

□□□□□□□□□□□□□□□

[□□] Madness in great ones must not unwatch’d go.□III.1□

□□□□□□

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[illegible]Hamlet[illegible]

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[illegible]

[illegible]I.2[illegible]

1.

[illegible]

[illegible] In the gross and scope of my opinion, This bodes some strange eruption to our state.(I.1)

2.

[illegible]

[illegible] What might be toward, that this sweaty haste Doth make the night joint-labourer with the day.(I.1)

3.

[illegible]

[illegible] A mote it is to trouble the mind’s eye.(I.1)

4.

[illegible]

[illegible] The nights are wholesome; then no planets strike.(I.1)

5.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□.

[□□] With an auspicious and a dropping eye□With mirth in funeral and with dirge in marriage.(I.2)

6.

□□□□□□□□□□□□□□□□

[□□] A little more than kin, and less than kind.(I.2)□□□□□□□□□ □□□□□□□□□□□□□□□□□□

7.

□□□□□□□□□□□□□□□□□□□□□

8.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] If it be common, Why seems it so particular with thee?(I.2)

9.

□□□□□□□□□□□□□□□□□□□□□□”□□”□”□□”□

[□□] Seems, madam! nay it is; I know not ‘seems.’(I.2)

10.

□□□□□□□□□□□□□.

[illegible] Let not thy mother lose her prayers[illegible](I.2)

11.

[illegible]

[illegible]

O, that this too too solid flesh would melt Thaw and resolve itself

into a dew! Or that the Everlasting had not fix’d His canon ‘gainst self-slaughter! O God! God! How weary, stale, flat and unprofitable, Seem to me all the uses of this world! Fie on’t! ah fie! ‘tis an unweeded garden, That grows to seed; things rank and gross in nature Possess it merely. That it should come to this! But two months dead: nay, not so much, not two: So excellent a king; that was, to this, Hyperion to a satyr; so loving to my mother That he might not beteem the winds of heaven Visit her face too roughly. Heaven and earth! Must I remember? why, she would hang on him, As if increase of appetite had grown By what it fed on: and yet, within a month— Let me not think on’t—Frailty, thy name is woman!— A little month, or ere those shoes were old With which she follow’d my poor father’s body, Like Niobe, all tears:—why she, even she— O, God! a beast, that wants discourse of reason, Would have mourn’d longer—

married with my uncle, My father’s brother, but no more like my father Than I to Hercules: within a month: Ere yet the salt of most unrighteous tears Had left the flushing in her galled eyes, She married. O, most wicked speed, to post With such dexterity to incestuous sheets! | It is not nor it cannot come to good: | But break, my heart; for I must hold my tongue.(I.2)

12.

□□□□□□□□□□□□□

[□□] Frailty, thy name is woman!(I.2)

13.

□□□□□□□□□.

[□□] A truant disposition.(I.2)

14.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] Thrift, thrift, Horatio! the funeral baked meats
Did coldly furnish forth the marriage tables.(I.2)

15.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] He was a man, take him for all in all,
I shall not look upon his like again.(I.2)

16.

□□□□□□□

[□□] more in sorrow than in anger. (I.2)

17.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] Foul deeds will rise,Though all the earth o’erwhelm them, to men’s eyes.(I.2)

18.

□□□□□□□□□□□□□□□□□□□□□□□▪

[□□] as the winds give benefit
And convoy is assistant, do not sleep.(I.3)

19.

□□

[□□] A violet in the youth of primy nature,
Forward, not permanent, sweet, not lasting,
The perfume and suppliance of a minute; No more.(I.3)

20.

□□□□□□□□□□□□□□□□□□□□□□□□

[□□] And keep you in the rear of your affection,
Out of the shot and danger of desire.(I.3)

21.

□□□□□□□□□□□□□□□□□□□□□□□

[□□] in the morn and liquid dew of youth
Contagious blastments are most imminent.(I.3)

22.

[illegible]

[□□] best safety lies in fear.(I.3)

23.

[illegible]

[□□] Youth to itself rebels, though none else near.(I.3)

24.

[illegible].

[□□] Show me the steep and thorny way to heaven.(I.3)

25.

[illegible].

[□□] Give thy thoughts no tongue.(I.3)

26.

[illegible].

[□□] Be thou familiar, but by no means vulgar.
Those friends thou hast, and their adoption tried,
Grapple them to thy soul with hoops of steel;(I.3)

27.

[illegible]

[□□] Beware Of entrance to a quarrel, but being in,
Bear’t that the opposed may beware of thee.(I.3)

28.

[illegible]

[illegible] Give every man thy ear, but few thy voice;
Take each man’s censure, but reserve thy judgment.(I.3)

29.

[illegible]

[illegible] Neither a borrower nor a lender be;
For loan oft loses both itself and friend,
And borrowing dulls the edge of husbandry.(I.3)

30.

[illegible]

[illegible] This above all: to thine ownself be true.(I.3)

31.

[illegible]

[illegible] ‘Tis in my memory lock’d,
And you yourself shall keep the key of it.(I.3)

32.

[illegible]

[illegible] think yourself a baby;
That you have ta’en these tenders for true pay,
Which are not sterling. (I.3)

33.

[illegible]

[[illegible]] When the blood burns, how prodigal the soul
Lends the tongue vows.(I.3)

34.

[illegible]

[[illegible]] these blazes, daughter, Giving more light than heat, extinct in

both, | Even in their promise, as it is a-making, | You must not take for fire. (I.3)

35.

[illegible]

[[illegible]] though I am native here
And to the manner born, it is a custom
More honour’d in the breach than the observance.(I.4)

36.

[illegible]

[[illegible]] nature cannot choose his origin.(I.4)

37.

[illegible]

[[illegible]] Let me not burst in ignorance.(I.4)

38.

[illegible]

[[illegible]] I do not set my life in a pin's fee.(I.4)

39.

[illegible]

[[illegible]] My fate cries out,
And makes each petty artery in this body
As hardy as the Nemean lion's nerve.(I.4)

40.

[illegible]

[[illegible]] He waxes desperate with imagination.(I.4)

41.

[illegible]

[[illegible]] Something is rotten in the state of Denmark.(I.4)

42.

[illegible]

[[illegible]] Heaven will direct it.(I.4)

43.

[illegible]

[[illegible]] Pity me not, but lend thy serious hearing
To what I shall unfold.(I.5)

44.

[illegible]

[□□] this eternal blazon must not be
To ears of flesh and blood. (I.5)

45.

□□□□□□□□□□□□□□□□□▪

[□□] with wings as swift
As meditation or the thoughts of love.(I.5)

46.

□□□□□□□□□□□□□□□□□□□□

[□□] The serpent that did sting thy father’s life
Now wears his crown.(I.5)

47.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□▪

[□□] From me, whose love was of that dignity
That it went hand in hand even with the vow
I made to her in marriage.(I.5)

48.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□▪

[□□] If thou hast nature in thee, bear it not;
Let not the royal bed of Denmark be
A couch for luxury and damned incest.(I.5)

49.

□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] leave her to heaven

And to those thorns that in her bosom lodge,
To prick and sting her.(I.5)

50.

□□□□□□□□□□□□

[□□] Hold, hold, my heart;(I.5)

51.

□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] while memory holds a seat
In this distracted globe. Remember thee!(I.5)

52.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] That one may smile, and smile, and be a villain;
At least I’m sure it may be so in Denmark:(I.5)

53.

□□□□□□□□□□□□□□□□□□□□□.

[□□] For every man has business and desire,
Such as it is;(I.5)

54.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] There are more things in heaven and earth, Horatio,
Than are dreamt of in your philosophy. (I.5)

55.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[□□] The time is out of joint: O cursed spite,
That ever I was born to set it right!(I.5)

□□□□□□

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[illegible]

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* [illegible]

* [illegible]

* [illegible]

* [illegible]

[illegible]:The mass of a body is a measure of its energy content.

* [illegible]

[illegible]:The physicists say that I am a mathematician, and the mathematicians say that I am a physicist. I am a completely isolated man and though everybody knows me, there are very few people who really know me.

* [illegible]

[illegible]:Then I would have felt sorry for the dear Lord. The theory is correct. - When asked by a student what he would have done if Sir Arthur Eddington’s famous 1919 gravitational lensing experiment, which confirmed relativity, had instead disproved it.

* [illegible]——[illegible]——[illegible]

□□:Any intelligent fool can make things bigger, more complex, and more violent. It takes a touch of genius— and a lot of courage— to move in the opposite direction.

* □□□□□□□□□□□□□□□□□□□□

□□:Anyone who has never made a mistake has never tried anything new.

* □□□□□□□□□□□□□□□□□□□□□□□□

□□:As our circle of knowledge expands, so does the circumference of darkness surrounding it.

* □□□□□□□□□□□□——□□□□□□□

□□:Before God we are all equally wise— and equally foolish.

* □□□□□□□□□□□□□□□□□□□□

□□:Common sense is the collection of prejudices acquired by age eighteen.

* □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□: Do not worry about your difficulties in Mathematics. I can assure you mine are still greater.

* □□□□□□□□□□□□□□□□□□□□□□□□□□

□□:Education is what remains after one has forgotten everything he learned in school.

* □□□□□□□□□□□□□□□□□□□□□□□□□□

□□:Equations are more important to me, because politics is for the present, but an equation is something for eternity.

* [illegible]

[illegible]:God does not care about our mathematical difficulties. He integrates empirically.

* [illegible]

[illegible]:Gravitation cannot be held responsible for people falling in love.

* [illegible]

[illegible]:I do not know with what weapons World War III will be fought, but World War IV will be fought with sticks and stones.

* [illegible]——[illegible]

[illegible]:I don’t pretend to understand the universe— it’s much bigger than I am.

* [illegible]

[illegible]:I love to travel, but hate to arrive.

* [illegible]

[illegible]:I never think of the future. It comes soon enough.

* [illegible]

[illegible]:I think that only daring speculation can lead us further and not accumulation of facts.

* [illegible]

[illegible]:I want to know God’s thoughts; the rest are details.

* □□A□□□□□□□□□□□A□□x□y□z□□□□□□x□y□□□□□z□□□□□□

□□:If A is a success in life, then A equals x plus y plus z. Work is x; y is play; and z is keeping your mouth shut.

* □□
□□□□□□□□□□□□□□□□□□□□□□□□□

□□:If I would be a young man again and had to decide how to make my living, I would not try to become a scientist or scholar or teacher. I would rather choose to be a plumber or a peddler in the hope to find that modest degree of independence still available under present circumstances.

* □□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□:If my theory of relativity is proven correct, Germany will claim me as a German and France will say I am a man of the world. If it’s proven wrong, France will say I am a German and Germany will say I am a Jew.

* □□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□:If we knew what we were doing, it wouldn’t be called research, would it?

* □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□:Innovation is not the product of logical thought, even though the final product is tied to a logical structure.

* □□□□□□□□□□□□□□□□□□□□□□□□□□

□□:Insanity: doing the same thing over and over again and expecting different results.

* □□

[illegible]:It has become appallingly obvious that our technology has exceeded our humanity.

* [illegible]

[illegible]:It is harder to crack a prejudice than an atom.

* [illegible]

[illegible]:Laws alone can not secure freedom of expression; in order that every man present his views without penalty there must be spirit of tolerance in the entire population.

* [illegible]

[illegible]:Life is like riding a bicycle. To keep your balance you must keep moving.

* [illegible]

[illegible]:Only a life lived for others is a life worthwhile.

* [illegible]

[illegible]: Peace cannot be kept by force. It can only be achieved by understanding.

* [illegible]

[illegible]:Put your hand on a hot stove for a minute, and it seems like an hour. Sit with a pretty girl for an hour, and it seems like a minute. That’s relativity.

* [illegible]

[illegible]:Reality is merely an illusion, albeit a very persistent one.

* [illegible]

[illegible]:Science is a wonderful thing if one does not have to earn one’s living at it.

* [illegible]

[illegible]:Subtle is the Lord, but malicious He is not. (Raffiniert ist der Herrgott, aber boshaft ist Er nicht.)

* [illegible]

[illegible]:The difference between genius and stupidity is that genius has its limits.

* [illegible]

[illegible]:The eternal mystery of the world is its comprehensibility.

* [illegible]

[illegible]:The hardest thing to understand in the world is the income tax.

* [illegible]

[illegible]:The most incomprehensible thing about the world is that it is at all comprehensible.

* [illegible]

[illegible]:The only real valuable thing is intuition. The intellect has little to do on the road to discovery.

* [illegible]

[illegible]:The problems that exist in the world today cannot be solved by the level of thinking that created them.

* [illegible]

[illegible]:The release of atomic energy has not created a new problem. It has merely made more urgent the necessity of solving an existing one.

* [illegible]

[illegible]:The secret to creativity is knowing how to hide your sources.

* [illegible]

[illegible]:The whole of science is nothing more than a refinement of everyday thinking.

* [illegible]

[illegible]:Truth is what stands the test of experience.

* [illegible]

[illegible]:Two things inspire me to awe: the starry heavens and the moral universe within.

* [illegible]

[illegible]:Try not to become a man of success, but rather try to become a man of value.

* [illegible]

[illegible]:Weakness of attitude becomes weakness of character.

* [illegible]

[illegible]:What really interests me is whether God had any choice in the creation of the world.

* [illegible]

[illegible]:If I had to live my life over again, I would live it as a trader of goods.

* [illegible]

[illegible]:If I give you a pfennig, you will be one pfennig richer and I’ll be one pfennig poorer. But if I give you an idea, you will have a new idea, but I shall still have it, too.

* [illegible]

[illegible]:It’s not that I’m so smart, it’s just that I stay with problems longer.

* [illegible]

[illegible]:The most powerful force in the universe is compound interest.

* [illegible]

[illegible]:Zwei Dinge sind unendlich: Das Universum und die menschliche Dummheit. Aber beim Universum bin ich mir nicht ganz sicher.

Note

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[illegible]Preamble[illegible]52[illegible]6[illegible]

> [illegible]
>
> We the People of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

1[illegible]To Form A More Perfect Union [illegible]

2[illegible]To Establish Justice[illegible]

3[illegible]To Insure Domestic Tranquility[illegible]

4[illegible]To Provide for the Common Defense[illegible]

5[illegible]To Promote the General Welfare[illegible]

6[illegible]To Secure the Blessings of Liberty to Ourselves and Our Posterity[illegible]

[illegible]6[illegible]6[illegible]6[illegible]

[illegible]6[illegible]

[illegible]

[illegible]

[illegible]

> [illegible]: [illegible]
>
> Before he enter on the execution of his office, he shall take the following oath or affirmation:—“I do solemnly swear (or affirm) that I will faithfully execute the office of President of the United States, and will to the best of my ability, preserve, protect and defend the Constitution of the United States.”

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[illegible]·[illegible]50[illegible]
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[illegible]14[illegible]

> When to these recollections was added the development of wickham’s character, it may be easily believed that the happy spirits which had seldom been depressed before, were now so much affected as to make it almost impossible for her to appear tolerably cheerful.

[illegible]

> [illegible]

[illegible]”the development of wickham’s character”[illegible]”[illegible]”[illegible]development[illegible]”[illegible]”[illegible]——[illegible]development[illegible]revelation[illegible]

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> [illegible]

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His regard for her was quite imaginary; and the possibility of her deserving her mother's reproach prevented his feeling any regret.

[illegible]

[illegible]

[illegible] any regret[illegible]"[illegible]"[illegible]reproach[illegible]an act of reproaching[illegible]an expression of censure or disapproval[illegible]"[illegible]"[illegible]a very headstrong foolish girl[illegible]"[illegible]"[illegible]

[illegible]

[illegible]

[illegible]

… and if she accepted any refreshment, seemed to do it only for the sake of finding out that Mrs. Collins's joints of meat were too large for the family.

[illegible]

[illegible]

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[illegible]”[illegible]”[illegible]·[illegible]”[illegible]”[illegible]

[illegible]

Le grondement du fleuve monte derriere la maison.

[illegible]

From behind the house rises the murmuring of the river.

[illegible]

[illegible]”[illegible]”[illegible]”murmuring”[illegible]grondement[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

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> We are told to remember the idea, not the man. Because man can fail. He can be caught, he can be killed and forgotten. But you cannot kiss an idea. you cannot touch it, or hold it. Ideas do not bleed, they do not feel pain.They do not love. I’ve witnessed first hand the power of ideas. I’ve seen people kill in the name of them. And die defending them. But 400 years later, an idea can still change the world.

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> [illegible]

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[illegible]1776[illegible]6[illegible]15[illegible]·[illegible]·[illegible]12[illegible]·[illegible]·[illegible]

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[illegible]”[illegible]”[illegible]

[illegible]”[illegible]”[illegible]

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[illegible]pro-poor growth[illegible]

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[illegible]”[illegible]“[illegible] **pro-poor growth**([illegible])[illegible]

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7[illegible]
3[illegible]8[illegible]

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[illegible]2600[illegible]1100[illegible]”

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[illegible]Labor Markets in Asia: Issues and Perspectives[illegible]

* [illegible] *

[illegible]5[illegible]2.45[illegible]
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[illegible]1[illegible]80[illegible]3[illegible]8[illegible] [illegible]2.5[illegible]2006[illegible]2500[illegible]1100[illegible]

[illegible]2[illegible]1981[illegible]2000[illegible]13[illegible](Ravallion and Chen 2004)[illegible]

[illegible]3[illegible]informal sector[illegible]formal sector[illegible]

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[illegible]**”**[illegible]**”**

[illegible]4[illegible]

*** [illegible] ***

[illegible]

[illegible]**globalization**[illegible]**technical change**[illegible]**competition**[illegible]

[illegible]1[illegible] [illegible]capital-labor ratio[illegible]

[illegible]2[illegible]

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[illegible]**25**[illegible]**continues to grow but also continues to harbor most of the world’s poor**[illegible]

[illegible]

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Electric Chair

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electrocute

Hanging

Guillotine

19 15

1886

1879

1888 1890 8 6 William Kemmler

Kemmler

1946 Willie Francis

”Stop it! Let me breathe!”

Francis Francis

80

(Lethal Injection)

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[illegible]Starry Night[illegible]

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[illegible]

[illegible]

[illegible]Starry Night Over the Rhone[illegible]

[illegible]Night Cafe[illegible]

[illegible]Starry Night[illegible]

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[illegible]
[illegible]

[illegible]starry night[illegible]

[illegible]”[illegible]”[illegible]

[illegible]”[illegible]”

[illegible]1890[illegible]7[illegible]27[illegible]37[illegible]

[illegible]

[illegible]

Vincent [illegible] Don McLean[illegible]•[illegible]American Pie[illegible]Starry Starry Night[illegible]

Vincent

Starry, starry night Paint your palette blue and gray
Look out on a summer’s day
With eyes that know the darkness is my soul
[illegible]
Shadows on the hills, sketch the trees and the daffodils
Catch the breeze and the winter chills
In colors on the snowy linen land
[illegible]
* Now I understand what you tried to say to me How you suffered for

your sanity How you tried to set them free | They would not listen, they did not know how | Perhaps, they’ll listen now *

[illegible]

Starry, starry night Flaming flowers that brightly blaze Swirling

clouds in violet haze Reflect in Vincent’s eyes of china blue Colors changing hue , morning fields of amber grain | Weathered faces lined in pain | Are soothed beneath the artist’s loving hand

[illegible] [illegible] [illegible]

[illegible] [illegible] | [illegible] | [illegible] [illegible]

Repeat *

For they could not love you And still your love was true And when no

hope was left inside on that starry, starry night You took your life as lovers often do | But I could have told you, Vincent | This world was never meant for one as beautiful as you

[illegible] [illegible] [illegible]

[illegible] | [illegible] | [illegible]

Starry, starry night Portraits hung in empty hall Frameless heads on

nameless walls With eyes that watch the world and can’t forget Like the strangers that you’ve met The ragged man in ragged clothes | The silver thorn of bloody rose | Lie crushed and broken on the virgin snow

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] | [illegible] | [illegible]
[illegible]

Now I think I know what you tried to say to me How you suffered for

your sanity, and How you tried to set them free | They would not listen , they’re not listening still | Perhaps, they never will

[illegible],[illegible] [illegible] [illegible]
[illegible]
[illegible]

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[illegible]:
http://www.ruanyifeng.com/blog/2006/05/starry_night.html
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[illegible]

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> I know my end is coming but I am not weeping. As I know I will be
>
> buried by the pine trees facing the sea below, like a pool from the distance. As I know I will be surrounded | by the tiny light spots of afternoon sunshine | among the shadows of the pine trees.
>
> My time is up but life continues. I shall rest as the world
>
> marches on. Some passers-by will say | branches of the pine trees are becoming low. | Others will say that is because the branches are extending.
>
> [illegible]

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[illegible][[illegible]][illegible].[illegible].[illegible]1990[illegible]100[illegible]

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[illegible]Ecclesiasticus[illegible]”[illegible]”

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[illegible]1898[illegible]

> [illegible]?

[illegible]Huxley, Thomas Henry, Evolution and Ethics,1894[illegible]

> IT may be safely assumed that, two thousand years ago, before Caesar set foot in southern Britain, the whole country-side visible from the windows of the room in which I write, was in what is called “the state of nature.” Except, it may be, by raising a few sepulchral mounds, such as those which still, here and there, break the flowing contours of the downs, man’s hands had made no mark upon it; and the thin veil of vegetation which overspread the broad-backed heights and the shelving sides of the coombs was unaffected by his industry. The native grasses and weeds, the scattered patches of gorse, contended with one another for the possession of the scanty surface soil; they fought against the droughts of summer, the frosts of winter, and the furious gales which swept, with unbroken force, now from the Atlantic, and now from the North Sea, at all times of the year; they filled up, as they best might, the gaps made in their ranks by all sorts of underground and

overground animal ravagers. One year with another, an average population, the floating balance of the unceasing struggle for existence among the indigenous plants, maintained itself. It is as little to be doubted, that an essentially similar state of nature prevailed, in this region, for many thousand years before the coming of Caesar; and there is no assignable reason for denying that it might continue to exist through an equally prolonged futurity, except for the intervention of man.

1971[illegible]

[illegible]”[illegible]”[illegible]

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1791[illegible]The life of Samuel Johnson[illegible]2004[illegible]

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1747[illegible]Earl of Chesterfield[illegible]

1754[illegible]

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[illegible]Patron[illegible]

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[illegible]

[illegible]"Friends"[illegible]Ross[illegible]Carol[illegible]Yertle the Turtle[illegible]

[illegible]:-)

Yertle the Turtle

[illegible]

[illegible]Dr. Seuss[illegible]
[illegible]
On the far-away island of Sala-ma-Sond, Yertle the Turtle was king of

the pond. A nice little pond. It was clean. It was neat. The water was warm. There was plenty to eat. | The turtles had everything turtles might need. | And they were all happy. Quite happy indeed.

[illegible]

[illegible] | [illegible] | [illegible]

They were... until Yertle, the king of them all, Decided the kingdom he

ruled was too small. “I’m ruler”, said Yertle, “of all that I see. But I don’t see enough. That’s the trouble with me. With this stone for a throne, I look down on my pond But I cannot look down on the places beyond. This throne that I sit on is too, too low down. It ought to be higher!” he said with a frown. | “If I could sit high, how much greater I’d be! | What a king! I’d be ruler of all that I see!”

[illegible]……[illegible] [illegible]

“[illegible]”[illegible]”[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]”[illegible] | “[illegible] [illegible] | [illegible]”

And Yertle, the Turtle King, gave a command. He ordered nine turtles

to swim to his stone And, using these turtles, he built a new throne. He made each turtle stand on another one’s back And he piled them all up in a nine-turtle stack. | And then Yertle climbed up. He sat down on the pile. | What a wonderful view! He could see ‘most a mile!

[illegible] [illegible]

[illegible] [illegible] [illegible] | [illegible] [illegible] | [illegible]

“All mine!” Yertle cried. “Oh, the things I now rule! I’m the king of

a cow! And I’m the king of a mule! I’m the king of a house! And, what’s more, beyond that I’m the king of a blueberry bush and a cat! | I’m Yertle the Turtle! Oh, marvelous me! | For I am the ruler of all that I see!”

“[illegible]”[illegible]”[illegible]

And all through the morning, he sat up there high Saying over and

over, “A great king am I!” Until ‘long about noon. Then he heard a faint sigh. “What’s that?” snapped the king,and he looked down the stack. And he saw, at the bottom, a turtle named Mack. Just a part of his throne. And this plain little turtle Looked up and he said, “Beg your pardon, King Yertle. | I’ve pains in my back and my shoulders and knees. | How long must we stand here, Your Majesty, please?”

“SILENCE!” the King of the Turtles barked back.
“I’m king, and you’re only a turtle named Mack.”

“You stay in your place while I sit here and rule. I’m the king of a

cow! And I’m the king of a mule! I’m the king of a house! And a bush! And a cat! But that isn’t all. I’ll do better than that! | My throne shall be higher!” his royal voice thundered, | “So pile up more turtles! I want ‘bout two hundred!”

“Turtles! More turtles!” he bellowed and brayed. And the turtles ‘way

down in the pond were afraid. They trembled. They shook. But they came. They obeyed. From all over the pond, they came swimming by dozens. Whole families of turtles, with uncles and cousins. | And all of them stepped on the head of poor Mack. | One after another, they climbed up the stack.

[illegible]

[illegible]

Then Yertle the Turtle was perched up so high, He could see forty

miles from his throne in the sky! “Hooray!” shouted Yertle. “I’m the king of the trees! I’m king of the birds! And I’m king of the bees! I’m king of the butterflies! King of the air! Ah, me! What a throne! What a wonderful chair! | I’m Yertle the Turtle! Oh, marvelous me! | For I am the ruler of all that I see!”

[illegible]

[illegible]

Then again, from below, in the great heavy stack, Came a groan from

that plain little turtle named Mack. “Your Majesty, please… I don’t like to complain, But down here below, we are feeling great pain. I know, up on top you are seeing great sights, But down here at the bottom we, too, should have rights. |

We turtles can't stand it. Our shells will all crack! | Besides, we need food. We are starving!" groaned Mack.

[illegible] [illegible]

"[illegible]……[illegible] [illegible] [illegible] [illegible] | [illegible] | [illegible] [illegible]"[illegible]

"You hush up your mouth!" howled the mighty King Yertle. "You've no

right to talk to the world's highest turtle. | I rule from the clouds! Over land! Over sea! | There's nothing, no, NOTHING, that's higher than me!"

"[illegible]"[illegible]

"[illegible] | [illegible] | [illegible] [illegible]"

But, while he was shouting, he saw with surprise That the moon of the

evening was starting to rise Up over his head in the darkening skies. "What's THAT?" snorted Yertle. "Say, what IS that thing That dares to be higher than Yertle the King? I shall not allow it! I'll go higher still! I'll build my throne higher! I can and I will! | I'll call some more turtles. I'll stack 'em to heaven! | I need 'bout five thousand, six hundred and seven!"

[illegible] [illegible]

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But, as Yertle, the Turtle King, lifted his hand And started to order

and give the command, That plain little turtle below in the stack, That plain little turtle whose name was just Mack, Decided he’d taken enough. And he had. And that plain little lad got a bit mad. And that plain little Mack did a plain little thing. | He burped! | And his burp shook the throne of the king!

[illegible]

[illegible] | [illegible] | [illegible]

And Yertle the Turtle, the king of the trees, The king of the air and

the birds and the bees, The king of a house and a cow and a mule… Well, that was the end of the Turtle King’s rule! | For Yertle, the King of all Sala-ma-Sond, | Fell off his high throne and fell Plunk! in the pond!

[illegible]

[illegible]…… [illegible] | [illegible] | [illegible]”[illegible]”[illegible]

And today the great Yertle, that Marvelous he, Is King of the Mud.

That is all he can see. | And the turtles, of course… all the turtles are free | As turtles and, maybe, all creatures should be.

[illegible]

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Being John Malkovich 1999

• Charlie Kaufman

Eternal Sunshine of the Spotless Mind

2004 3

“ ” 18 • Alexander Pope

1688-1744 Eloisa to Abelard

12

2002

2003 2004

Lacuna

2004

209

How happy is the blameless vestal’s lot! The world forgetting, by

the world forgot. | Eternal sunshine of the spotless mind! | Each pray’r accepted, and each wish resign’d;

[①]

spotless

Pierre Abelard 1079

1118[illegible]Heloise[illegible]40[illegible]18[illegible]Canon[illegible]

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[illegible]1616[illegible]1697[illegible]1713[illegible]

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[illegible]16[illegible]

In these deep solitudes and awful cells, Where heav’nly-pensive

contemplation dwells, And ever-musing melancholy reigns; What means this tumult in a vestal’s veins? Why rove my thoughts beyond this last retreat? Why feels my heart its long-forgotten heat? | Yet, yet I love!—From Abelard it came, | And Eloisa yet must kiss the name.

[illegible]

[illegible] | [illegible]——[illegible] | [illegible]

Dear fatal name! rest ever unreveal’d, Nor pass these lips in holy

silence seal’d. Hide it, my heart, within that close disguise, Where mix’d with God’s, his lov’d idea lies: O write it not, my hand—the name appears Already written—wash it out, my tears! | In vain lost Eloisa weeps and prays, | Her heart still dictates, and her hand obeys.

[illegible]

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[illegible]12[illegible]

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May one kind grave unite each hapless name, And graft my love

immortal on thy fame! Then, ages hence, when all my woes are o’er, When this rebellious heart shall beat no more; If ever chance two wand’ring lovers brings To Paraclete’s white walls and silver springs, O’er the pale marble shall they join their heads, And drink the falling tears each other sheds; | Then sadly say, with mutual pity mov’d, | “Oh may we never love as these have lov’d!”

[illegible]

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From the full choir when loud Hosannas rise, And swell the pomp of

dreadful sacrifice, Amid that scene if some relenting eye Glance on the stone where our cold relics lie, Devotion’s self shall steal a thought from Heav’n, One human tear shall drop and be forgiv’n. And sure, if fate some future bard shall join In sad similitude of griefs to mine, Condemn’d whole years in absence to deplore, And image charms he must behold no more; Such if there be, who loves so long, so well; Let him our sad, our tender story tell; | The well-sung woes will soothe my

pensive ghost; | He best can paint ‘em, who shall feel ‘em most.

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Under the pretext of study we spent our hours in the happiness of love, and learning held out to us the secret opportunities that our passion craved. Our speech was more of love than of the books which lay open before us; our kisses far outnumbered our reasoned words. Our hands sought less the book than each other’s bosoms — love drew our eyes together far more than the lesson drew them to the pages of our text. In order that there might be no suspicion, there were, indeed, sometimes blows, but love

gave them, not anger; they were the marks, not of wrath, but of a tenderness surpassing the most fragrant balm in sweetness. What followed? No degree in love’s progress was left untried by our passion, and if love itself could imagine any wonder as yet unknown, we discovered it. And our inexperience of such delights made us all the more ardent in our pursuit of them, so that our thirst for one another was still unquenched.

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http://www.fordham.edu/halsall/basis/abelard-histcal.html□

[③] □□□□□□□
You know, beloved, as the whole world knows, how much I have lost in

you, how in one wretched stroke that supreme act of flagrant treachery robbed me of my very self in robbing me of you; and how my sorrow for my loss is nothing compared with what I feel for the manner in which I lost you. Surely the greater the cause for grief the greater the need for consolation, and this no one can bring but you; you are the sole cause of my sorrow, and you alone can grant me the grace of consolation. You alone can make me sad, or bring me happiness or comfort; you alone have so great a debt to repay me, particularly now that I have carried out all your orders so implicitly that when I was powerless to oppose you in anything, I found strength at your command to destroy myself. I did more, strange to say - my love rose to such heights of madness that it robbed itself of what it most desired beyond hope of recovery, when immediately at your bidding I changed my clothing along with my mind„ in order to prove you the possessor of my body and my will alike.

Never, God knows, did I seek anything in you except yourself; I wanted only you, nothing of yours. I looked for no

marriage-bond, no marriage portion, and it was not my own pleasures and wishes I sought to gratify, as you well know, but yours. The name of wife may seem more sacred or more worthy but sweeter to me will always be the word lover, or, if you will permit me, that of concubine or whore. I believed that the more I humbled myself on your account, the more I would please you, and also the less damage I should do to the brightness of your reputation. You yourself did not altogether forget this in the letter of consolation I have spoken of which you wrote to a friend; there you recounted some of the reasons I gave in trying to dissuade you from binding us together in an ill-advised marriage. But you kept silent about most of my arguments for preferring love to wedlock and freedom to chains. God is my witness that if Augustus, Emperor of the whole world, thought fit to honour me with marriage and conferred all the earth on me to possess for ever, it would be dearer and more honorable to me to be called not his Empress but your whore.

[④]

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http://www.aug.edu/langlitcom/humanitiesHBK/handbook_htm/heloise&abelard.htm □

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1765[illegible]36[illegible]30[illegible]

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1.

A man full of warm, speculative benevolence may wish his society otherwise constituted than he finds it, but a good patriot and a true politician always considers how he shall make the most of the existing materials of his country. A disposition to preserve and an ability to improve, taken together, would be my standard of a statesman.

[illegible]

2.

A State without the means of some change is without the means of its conservation.

[illegible]

3.

All government— indeed, every human benefit and enjoyment, every virtue and every prudent act— is founded on compromise and barter.

[illegible]——[illegible]——[illegible]

4.

All that is necessary for the triumph of evil is that good men do nothing.

5.

An event has happened, upon which it is difficult to speak, and impossible to be silent.

6.

Applaud us when we run, console us when we fall, cheer us when we recover.

7.

Applause is the spur of noble minds, the end and aim of weak ones.

8.

Bad laws are the worst sort of tyranny.

9.

Beauty is the promise of happiness.

10.

Better be despised for too anxious apprehensions, than ruined by too confident security.

[illegible]

11.

But what is liberty without wisdom, and without virtue? It is the greatest of all possible evils; for it is folly, vice, and madness, without tuition or restraint.

[illegible]

12.

Early and provident fear is the mother of safety.

[illegible]

13.

Flattery corrupts both the receiver and the giver.

[illegible]

14.

Good order is the foundation of all things.

[illegible]

15.

He that wrestles with us strengthens our nerves and sharpens our skill. Our antagonist is our helper.

[illegible]

16.

It is a general popular error to suppose the loudest complainers for the public to be the most anxious for its welfare.

[illegible]

17.

It is the nature of all greatness not to be exact.

[illegible]

18.

Justice is itself the great standing policy of civil society; and any eminent departure from it, under any circumstances, lies under the suspicion of being no policy at all.

[illegible]

19.

Laws, like houses, lean on one another.

[illegible]

20.

Manners are of more importance than laws… Manners are what vex or soothe, corrupt or purify, exalt or debase, barbarize or refine us, by a constant, steady, uniform, insensible operation, like that of the air we breathe in.

[illegible]……[illegible]

21.

Never despair; but if you do, work on in despair.

[illegible]

22.

No passion so effectually robs the mind of all its powers of acting and reasoning as fear.

[illegible]

23.

Nothing is so fatal to religion as indifference.

[illegible]

24.

Our patience will achieve more than our force.

[illegible]

25.

People crushed by laws, have no hope but to evade power. If the laws are their enemies, they will be enemies to the law; and those who have most to hope and nothing to lose will always be dangerous.

[illegible]

26.

People will not look forward to posterity, who never look backward to their ancestors.

27.

Society is indeed a contract. It is a partnership in all science; a partnership in all art; a partnership in every virtue, and in all perfection. As the ends of such a partnership cannot be obtained in many generations, it becomes a partnership not only between those who are living, but between those who are living, those who are dead, and those who are to be born.

28.

The first and simplest emotion which we discover in the human mind, is curiosity.

29.

The march of the human mind is slow.

30.

The people never give up their liberties but under some delusion.

31.

The true danger is when liberty is nibbled away, for expedience, and by parts.

[illegible]

32.

The tyranny of a multitude is a multiplied tyranny.

[illegible]

33.

There is but one law for all, namely that law which governs all law, the law of our Creator, the law of humanity, justice, equity— the law of nature and of nations.

[illegible]

34.

There is, however, a limit at which forbearance ceases to be a virtue.

[illegible]

35.

They defend their errors as if they were defending their inheritance.

[illegible]

36.

They made and recorded a sort of institute and digest of anarchy, called the Rights of Man.

37.

To make us love our country, our country ought to be lovely.

38.

To read without reflecting is like eating without digesting.

39.

We must not always judge of the generality of the opinion by the noise of the acclamation.

40.

What shame keeps its watch, virtue is not wholly extinguished in the heart.

41.

When bad men combine, the good must associate; else they will fall one by one, an unpitied sacrifice in a contemptible struggle.

[illegible]

42.

Whenever a separation is made between liberty and justice, neither, in my opinion, is safe.

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1912[illegible]4[illegible].[illegible]3[illegible]4[illegible]

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[illegible]5[illegible]

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[illegible]1913[illegible]3[illegible]14[illegible]7[illegible]

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“[illegible]”[illegible]1914[illegible]7[illegible]

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[illegible]Albert Einstein[illegible]”[illegible]”[illegible]

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1976[illegible]·[illegible]21[illegible]"MITS Altair"[illegible]BASIC[illegible]"[illegible]"[illegible]

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1985[illegible]”[illegible]”GPL[illegible]”[illegible]
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[illegible]”GPL[illegible]

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[illegible]IT[illegible]Glyn Moody[illegible]”[illegible]”

[[illegible]] [illegible]Glyn Moody[illegible]Rebel Code: Inside Linux and the Open Source Revolution[illegible]Linux[illegible]

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[illegible]5[illegible]

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[illegible]19[illegible]20[illegible]

[illegible]

[illegible]"[illegible]"[illegible]

"[illegible]"[illegible].[illegible]Robert M. La Follete,1855~1925[illegible]1885[illegible]30[illegible]1[illegible]65[illegible]

[illegible]

[illegible]

1885[illegible]1901[illegible]1901[illegible]1906[illegible]20[illegible]

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1913[illegible].[illegible]

> "……[illegible]……[illegible]——[illegible]"

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[illegible]Almost Famous[illegible]

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[illegible]Almost Famous[illegible]

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[illegible]70[illegible]

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http://home.online.no/~bhundlan/scripts/Almost-Famous.htm

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[illegible]

[illegible]”[illegible]”[illegible].[illegible]Eric Blair[illegible]1903[illegible]

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1944[illegible]Animal Farm[illegible]

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2[illegible]28[illegible]

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[|Boorstin184.jpg|](Boorstin184.jpg)

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[illegible]·[illegible]Daniel Boorstin[illegible]28[illegible]89[illegible]20[illegible]——[illegible]——[illegible]90[illegible]

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1987[illegible]1995[illegible]

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Oh! Think of me, my sweet beloved, so that I may feel it and so that your joy amid your delightful family, your kind friends and admirers may not be changed into bitterness and grief for me. Think of me. of whom you are the life and soul. Think of my love so profound, so pure, and so devoted, and wish I were with you. I am going to bed praying God for you and yours. I trust my prayers will not be fruitless, as I am asking for their happiness and yours, should it be at the cost of my own life. If you knew how I need to know that you are happy, my beloved, almost as much as to know I am loved by you! I love you, more than anything else in the world. Enjoy your success, this evening, my Victor, your beauty, your genius, and be happy with your delightful family. I will be proud and happy myself, provided amid all this you do not forget me. Above all I do not wish to importune or compromise you. I only want to love you to my last sight.

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[illegible]Blind Assassin[illegible]

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·Samuel Beckett1906-
1989

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“Nothing happens, nobody comes, nobody goes, it’s awful[illegible]”[illegible]

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P(A|B) = P(B|A) P(A) / P(B)

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P([illegible]|[illegible]x[illegible])
= P([illegible]x[illegible]|[illegible]) x P([illegible])
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P([illegible]|[illegible]x[illegible])

= P(□□□|□□) x P(□□□□|□□) x P(□□)
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P(□□|□□□x□□□□)
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P(C|F1F2...Fn)
= P(F1F2...Fn|C)P(C) / P(F1F2...Fn)

□□ P(F1F2...Fn) □□□□□□□□□□□□□□□□□□□□□□□□□

P(F1F2...Fn|C)P(C)

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P(F1F2...Fn|C)P(C)
= P(F1|C)P(F2|C) ... P(Fn|C)P(C)

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[illegible]10000[illegible]89%[illegible]C_0[illegible]11%[illegible]C_1[illegible]

C0 = 0.89

C1 = 0.11

[illegible]

F1: [illegible]/[illegible]
F2: [illegible]/[illegible]
F3: [illegible]1[illegible]0[illegible]
F1 = 0.1
F2 = 0.2
F3 = 0

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P(F1|C)P(F2|C)P(F3|C)P(C)

[illegible]F1[illegible]F2[illegible]

[illegible]F1[illegible][0, 0.05][illegible](0.05, 0.2)[illegible][0.2, +∞][illegible]F1[illegible]0.1[illegible]

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P(F1|C0) = 0.5, P(F1|C1) = 0.1
P(F2|C0) = 0.7, P(F2|C1) = 0.2
P(F3|C0) = 0.2, P(F3|C1) = 0.9

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P(F1|C0) P(F2|C0) P(F3|C0) P(C0)
= 0.5 x 0.7 x 0.2 x 0.89
= 0.0623
P(F1|C1) P(F2|C1) P(F3|C1) P(C1)
= 0.1 x 0.2 x 0.9 x 0.11
= 0.00198

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w1 = n1 / n

w2 = n2 / n

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[illegible]1958[illegible]IBM[illegible]H.P. Luhn[illegible][illegible]The Automatic Creation of Literature Abstracts[illegible]

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[illegible]5[illegible] [illegible]《Mining the Social Web: Analyzing Data from Facebook, Twitter, LinkedIn, and Other Social Media Sites》[illegible]O’Reilly, 2011[illegible]8[illegible]python[illegible]github[illegible]

Luhn[illegible]”[illegible]”[illegible]

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	Summarizer(originalText, maxSummarySize):

		// [illegible][(10,’the’),

  (3,’language’), (8,’code’)…] |		wordFrequences =
  getWordCounts(originalText)

		// [illegible][(3, ‘language’), (8, ‘code’)…]
		contentWordFrequences =
  filtStopWords(wordFrequences)
		// [illegible][‘code’, ‘language’…]
		contentWordsSortbyFreq =

  sortByFreqThenDropFreq(contentWordFrequences)

		// [illegible]
		sentences = getSentences(originalText)
		// [illegible]		setSummarySentences
  =

  {}		foreach word in contentWordsSortbyFreq:
			firstMatchingSentence = search(sentences,
  word)
  setSummarySentences.add(firstMatchingSentence) |
			if setSummarySentences.size() =
  maxSummarySize: |				break

		// [illegible]		summary = “”
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            foreach sentence in sentences: |                    if
    sentence in setSummarySentences: |
    summary = summary + ” ” + sentence

            return summary
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句子B：我 1，喜欢 2，看 2，电视 1，电影 1，不 2，也 1。

第四步，写出词频向量。

句子A：[1, 2, 2, 1, 1, 1, 0]

句子B：[1, 2, 2, 1, 1, 2, 1]

到这里，问题就变成了如何计算这两个向量的相似程度。

我们可以把它们想象成空间中的两条线段，都是从原点（[0, 0, ...]）出发，指向不同的方向。两条线段之间形成一个夹角，如果夹角为0度，意味着方向相同、线段重合；如果夹角为90度，意味着形成直角，方向完全不相似；如果夹角为180度，意味着方向正好相反。因此，我们可以通过夹角的大小，来判断向量的相似程度。夹角越小，就代表越相似。

以二维空间为例，上图的a和b是两个向量，我们要计算它们的夹角θ。余弦定理告诉我们，可以用下面的公式求得：

假定a向量是[x1, y1]，b向量是[x2, y2]，那么可以将余弦定理改写成下面的形式：

数学家已经证明，余弦的这种计算方法对n维向量也成立。假定A和B是两个n维向量，A是 [A1, A2, ..., An] ，B是 [B1, B2, ..., Bn] ，则A与B的夹角θ的余弦等于：

使用这个公式，我们就可以得到，句子A与句子B的夹角的余弦。

余弦值越接近**1**，就表明夹角越接近**0**度，也就是两个向量越相似，这就叫**”余弦相似性”**。所以，上面的句子A和句子B是很相似的，事实上它们的夹角大约为20.3度。

由此，我们就得到了”找出相似文章”的一种算法：

（1）使用TF-IDF算法，找出两篇文章的关键词；

（2）每篇文章各取出若干个关键词（比如20个），合并成一个集合，计算每篇文章对于这个集合中的词的词频（为了避免文章长度的差异，可以使用相对词频）；

（3）生成两篇文章各自的词频向量；

（4）计算两个向量的余弦相似度，值越大就表示越相似。

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* How to program a Gaussian Blur without using 3rd party libraries

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```
import re, collections
```

[illegible]words()[illegible]

```
def words(text): return re.findall('[a-z]+', text.lower())
```

lower()[illegible]

[illegible]train()[illegible]"[illegible]"[illegible]"[illegible]"[illegible]

```
def train(features):
    model = collections.defaultdict(lambda: 1)
    for f in features:
        model[f] += 1
    return model
```

collections.defaultdict(lambda: 1)[illegible]1[illegible]1[illegible]1[illegible]

[illegible]words()[illegible]train()[illegible]"[illegible]"[illegible]NWORDS[illegible]

```
NWORDS = train(words(file('big.txt').read()))
```

[illegible]edits1()[illegible]word[illegible]"[illegible]"[illegible]1[illegible]

```
    alphabet = 'abcdefghijklmnopqrstuvwxyz'
```

```
def edits1(word):
    splits = [(word[:i], word[i:]) for i in range(len(word) + 1)]
    deletes = [a + b[1:] for a, b in splits if b]
    transposes = [a + b[1] + b[0] + b[2:] for a, b in splits if len(b)>1]
    replaces = [a + c + b[1:] for a, b in splits for c in alphabet if b]
    inserts = [a + c + b for a, b in splits for c in alphabet]
    return set(deletes + transposes + replaces + inserts)
```

edit1()[illegible]

[illegible]1[illegible]**splits**[illegible]word[illegible]’abc’[illegible][(”, ‘abc’), (‘a’, ‘bc’), (‘ab’, ‘c’), (‘abc’, ”)] [illegible]

[illegible]2[illegible]**beletes**[illegible]word[illegible]’abc’[illegible]deletes[illegible] [‘bc’, ‘ac’, ‘ab’] [illegible]

[illegible]3[illegible]**transposes**[illegible]word[illegible]’abc’[illegible]transposes[illegible] [‘bac’, ‘acb’] [illegible]

[illegible]4[illegible]**replaces**[illegible]word[illegible]25[illegible]’abc’[illegible]replaces[illegible] [‘abc’, ‘bbc’, ‘cbc’, … , ‘abx’, ’ aby’, ‘abz’] [illegible]78[illegible]26 × 3[illegible]

[illegible]5[illegible]**inserts**[illegible]word[illegible]’abc’ [illegible]inserts[illegible][‘aabc’, ‘babc’, ‘cabc’, …, ‘abcx’, ‘abcy’, ‘abcz’][illegible]104[illegible]26 × 4[illegible]

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```
def edits2(word):

    return set(e2 for e1 in edits1(word) for e2 in edits1(e1))
```

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```
def known_edits2(word):

    return set(e2 for e1 in edits1(word) for e2 in edits1(e1) if e2 in NWORDS)
```

□□□□□□**correct()**□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
def known(words): return set(w for w in words if w in NWORDS)

def correct(word):

    candidates = known([word]) or known(edits1(word)) or known_edits2(word) or [word]

    return max(candidates, key=NWORDS.get)
```

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```
    import re, collections

    def words(text): return re.findall(‘[a-z]+’, text.lower())

    def train(features):

        model = collections.defaultdict(lambda: 1)

        for f in features:

            model[f] += 1

        return model

    NWORDS = train(words(file(‘big.txt’).read()))

    alphabet = ‘abcdefghijklmnopqrstuvwxyz’

    def edits1(word):

        splits = [(word[:i], word[i:]) for i in range(len(word) + 1)]

        deletes = [a + b[1:] for a, b in splits if b]

        transposes = [a + b[1] + b[0] + b[2:] for a, b in splits if len(b)>1]

        replaces = [a + c + b[1:] for a, b in splits for c in alphabet if b]
```

```
        inserts = [a + c + b for a, b in splits for c in alphabet]
        return set(deletes + transposes + replaces + inserts)
    def known_edits2(word):
        return set(e2 for e1 in edits1(word) for e2 in edits1(e1) if e2 in NWORDS)
    def known(words): return set(w for w in words if w in NWORDS)
    def correct(word):
        candidates = known([word]) or known(edits1(word)) or known_edits2(word) or [word]
        return max(candidates, key=NWORDS.get)
```

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```
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'spelling'
»> correct('korrecter')
'corrector'
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i^2 = (-1)

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$$(3 + 4i) * (1 + i) = (-1 + 7i)$$

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$$(3 + 4i) * i = (-4 + 3i)$$

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$$a + bi = r1 * (\cos\alpha + i\sin\alpha)$$

$$c + di = r2 * (\cos\beta + i\sin\beta)$$

□□□□□□□□(a + bi)(c + di) □□□□

$$r1 * r2 * (\cos\alpha + i\sin\alpha) * (\cos\beta + i\sin\beta)$$

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cosα * cosβ - sinα * sinβ + i(cosα * sinβ + sinα * cosβ)

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cos(α+β) + isin(α+β)

□□□

(a + bi)(c + di)　□　r1 * r2 * (cos(α+β) + isin(α+β))

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Note

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Note

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* How Not To Sort By Average Rating

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Note

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* Rank Hotness With Newton’s Law of Cooling

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Note

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  * [How Reddit ranking algorithms work](#)

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Note

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* [How Hacker News ranking algorithm works]

* [How to Build a Popularity Algorithm You can be Proud of]

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```
for (int i=0; i < (pic_width/16); ++i) {

    for (int j=0; j < (pic_height/16); ++j) {

        patch = cropped_img.get(i*16, j*16, 16, 16);

    }

}
```

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```
for (int k=0; k < patch.pixels.length; ++k) {
   x[k] = rgb2gray(patch.pixels[k]);
}
int rgb2gray(int argb) {
      int _alpha = (argb » 24) & 0xFF;
      int _red = (argb » 16) & 0xFF;
      int _green = (argb » 8 ) & 0xFF;
      int _blue = (argb) & 0xFF;
      return int(0.3*_red + 0.59*_green + 0.11*_blue);
}
```

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```
int dice_num = six_step_gray(mean(x));
int mean(int[] x) {
      float m = 0;
      for (int i=0; i < x.length; ++i) {
            m += x[i];
      }
      m = m/x.length;
      return int(m);
}
```

```
int six_step_gray(int x) {

      if (0 <= x && x <= 41) return 1;

      if (41 < x && x <= 83) return 2;

      if (83 < x && x <= 124) return 3;

      if (124 < x && x <= 165) return 4;

      if (165 < x && x <= 206) return 5;

      if (206 < x && x <= 247) return 6;

      else return 6;
}
```

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> **Conception is about ideas, but formulas are the way to express them.**

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> Suppose you are trying to get from one end A of a terminal to the other end B. (For simplicity, assume the terminal is a one-dimensional line segment.) Some portions of the terminal have moving walkways (in both directions); other portions do not. Your walking speed is a constant v, but while on a walkway, it is boosted by the speed u of the walkway for a net speed of v+u. (Obviously, given a choice, one would only take those walkways that are going in the direction one wishes to travel in.) Your objective is to get from A to B in the shortest time possible.
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> 1. Suppose you need to pause for some period of time, say to tie your shoe. Is it more efficient to do so while on

a walkway, or off the walkway? Assume the period of time required is the same in both cases.

1. [illegible]

2. Suppose you have a limited amount of energy available to run and increase your speed to a higher quantity v’ (or v’+u, if you are on a walkway). Is it more efficient to run while on a walkway, or off the walkway? Assume that the energy expenditure is the same in both cases.

2. [illegible]v’[illegible]v’+u[illegible]

3. Do the answers to the above questions change if one takes into account the various effects of special relativity? (This is of course an academic question rather than a practical one. But presumably it should be the time in the airport frame that one wants to minimise, not time in one’s personal frame.)

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- Whatever helps the farmer helps everybody
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- Nothing lasts forever, Even cold November rain
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This life don’t last forever (hold my hand)
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So tell me what we’re waitin for (hold my hand)
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Better off being together (hold my hand)
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Than being miserable alone (hold my hand)
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□Sooner or later□□□□□□□

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**We’re all standing with our backs against the wall, Sooner

or later** | □□□□□□□□□□□

Waiting on a phone that never calls, at all
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Heartbreak comes, rollin’ in like a storm, Sooner or later

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Trying to swim but you’re sinking like a stone, alone

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And I can feel fire in the night waiting here

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Baby it’s like we’re walking on a wire through the fear

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Take my hand, we’ll get there

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* typography□□□□

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```
@import url(style.css);
```

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```
/* typography styles */
@import url(“typo.css”);
```

```
/* form elements */
@import url(“forms.css”);
/* main layout */
@import url(“layout.css”);
/* navigation */
@import url(“horizontal-nav.css”);
/* colour scheme */
@import url(“skin.css”);
```

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```
/* basic styling */
@import url(“base.css”);
```

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```
/***** Global Settings *****/ html, body { border:0;

margin:0; padding:0; } body { font:100%/1.25 Arial,
Helvetica, sans-serif; } /***** Headings *****/ h1, h2, h3,
h4, h5, h6 { margin:0; padding:0; font-weight:normal; }
h1 { padding:30px 0 25px 0; letter-spacing:-1px; font-
size:2em; } h2 { padding:20px 0; letter-spacing:-1px;
font-size:1.5em; } h3 { font-size:1em; font-weight:bold;
} /***** Common Formatting *****/ p, ul, ol { margin:0;
padding:0 0 1.25em 0; } ul, ol { padding:0 0 1.25em
2.5em; } blockquote { margin:1.25em; padding:1.25em
1.25em 0 1.25em; } small { font-size:0.85em; } img {
border:0; } sup { position:relative; bottom:0.3em;
vertical-align:baseline; } sub { position:relative;
bottom:-0.2em; vertical-align:baseline; } acronym, abbr
{ cursor:help; letter-spacing:1px; border-bottom:1px
dashed; } /***** Links *****/ a, a:link, a:visited, a:hover
{ text-decoration:underline; } /***** Forms *****/ form {
```

margin:0; padding:0; display:inline; } input, select, textarea { font:1em Arial, Helvetica, sans-serif; } textarea { width:100%; line-height:1.25; } label { cursor:pointer; } /***** Tables *****/ table { border:0; margin:0 0 1.25em 0; padding:0; } table tr td { padding:2px; } /***** Wrapper *****/ #wrap { width:960px; margin:0 auto; } /***** Global Classes *****/ .clear { clear:both; } .float-left { float:left; } .float-right { float:right; } .text-left { text-align:left; } .text-right { text-align:right; } .text-center { text-align:center; } .text-justify { text-align:justify; } .bold { font-weight:bold; } .italic { font-style:italic; } .underline { border-bottom:1px solid; } .highlight { background:#ffc; } .wrap { width:960px;margin:0 auto; } .img-left { float:left;margin:4px 10px 4px 0; } .img-right { float:right;margin:4px 0 4px 10px; } .nopadding { padding:0; } | .noindent { margin-left:0;padding-left:0; } | .nobullet { list-style:none;list-style-image:none; }

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“http://www.w3.org/TR/html4/loose.dtd”>

“http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd”>

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“http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd”>

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5. Favicon[illegible]

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6. Feed[illegible]

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2. iPhone

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3. Jetbook

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4. Kindle

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5. Sony Reader 700

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6. iLiad

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Turning Page, E-Books Start to Take Hold

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http://www.nytimes.com/2008/12/24/technology/24kindle.html

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Could book lovers finally be willing to switch from paper to pixels?

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For a decade, consumers mostly ignored electronic book devices, which were often hard to use and offered few popular items to read. But this year, in part because of the popularity of Amazon.com’s wireless Kindle device, the e-book has started to take hold.

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□Amazon□□□□□□□Kindle□□□□□□□□□□□□□□□

The $359 Kindle, which is slim, white and about the size of a trade paperback, was introduced a year ago. Although Amazon will not disclose sales figures, the Kindle has at least lived up to its name by creating broad interest in electronic books. Now it is out of stock and unavailable until February. Analysts credit Oprah Winfrey, who praised the Kindle on her show in October, and blame Amazon for poor holiday planning.

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The shortage is providing an opening for Sony, which embarked on an intense publicity campaign for its Reader device during the gift-buying season. The stepped-up competition may represent a coming of age for the entire idea of reading longer texts on a portable digital device.

Kindle□□□□Sony□□□□□□□□□□□Sony□□□□□□□□□□□□□□□□□□□□□□□□□
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“The perception is that e-books have been around for 10 years and haven’t done anything,” said Steve Haber, president of Sony’s digital reading division. “But it’s happening now. This is really starting to take off.”

Sony□□□□□□□□□□□Steve Haber□□”□□□□□□□□□□□□□□□□10□□□□□□
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Sony’s efforts have been overshadowed by Amazon’s. But this month it began a promotional blitz in airports, train stations and bookstores, with the ambitious goal of personally demonstrating the Reader to two million people by the end of the year.

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The company’s latest model, the Reader 700, is a $400 device with a reading light and a touch screen that allows users to annotate what they are reading. Mr. Haber said Sony’s sales had tripled this holiday season over last, in part because the device is now available in the Target, Borders and Sam’s Club chains. He said Sony had sold more than 300,000 devices since the debut of the original Reader in 2006.

□□□□□□□□Reader 700□□□400□□□□□□□□□□□□□□□□□□□□□□
Steve Haber□□Sony□□□□□□□3□□□□□□□□□□□□□□□□□□□□
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It is difficult to quantify the success of the Kindle, since Amazon will not disclose how many it has sold and analysts’ estimates vary widely. Peter Hildick-Smith, president of the Codex Group, a book market research company, said he believed Amazon had sold as many as 260,000 units through the beginning of October, before Ms. Winfrey’s endorsement. Others say the number could be as high as a million.

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Many Kindle buyers appear to be outside the usual gadget-hound demographic. Almost as many women as men are buying it, Mr. Hildick-Smith said, and the device is most popular among 55- to 64-year-olds.

□□Kindle□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□55-64□□□□□□□

So far, publishers like HarperCollins, Random House and Simon & Schuster say that sales of e-books for any device — including simple laptop downloads — constitute less than 1 percent of total book sales. But there are signs of momentum. The publishers say sales of e-books have tripled or quadrupled in the last year.

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Amazon’s Kindle version of “The Story of Edgar Sawtelle” by David Wroblewski, a best seller recommended by Ms. Winfrey’s book club, now represents 20 percent of total Amazon sales of the book, according to Brian Murray, chief executive of HarperCollins Publishers Worldwide.

Oprah Winfrey[illegible]”The Story of Edgar Sawtelle”[illegible]Amazon[illegible]20%[illegible]

The Kindle version of the book, which can be downloaded by the device itself through its wireless modem, costs $9.99 in the Amazon Kindle store. The Reader version costs $11.99 from Sony’s e-book library, accessible from an Internet-connected computer.

[illegible]Kindle[illegible]9.99[illegible]Sony[illegible]11.99[illegible]PC[illegible]

Even authors who were once wary of selling their work in bits and bytes are coming around. After some initial hesitation, authors like Danielle Steel and John Grisham are soon expected to add their titles to the e-book catalog, their agents say.

[illegible]

“E-books will become the go-to-first format for an ever-expanding group of readers who are newly discovering how much they enjoy reading books on a screen,” said Markus Dohle, chief executive of Random House, the world’s largest publisher of consumer books.

“[illegible]”[illegible]——[illegible]Markus Dohle[illegible]

Nobody knows how much consumer habits will shift. Some of the most committed bibliophiles maintain an almost fetishistic devotion to the physical book. But the technology may have more appeal for particular kinds of people, like those who are the heaviest readers.

[illegible]

At Harlequin Enterprises, the Toronto-based publisher of bodice-ripping romances, Malle Vallik, director for digital content and interactivity, said she expected sales of digital versions of the company’s books someday to match or potentially outstrip sales in print.

[illegible]

Harlequin, which publishes 120 books a month, makes all of its new titles available digitally, and has even started publishing digital-only short stories that it sells for $2.99 each, including an erotica collection called Spice Briefs.

[illegible]120[illegible]2.99[illegible]

Perhaps the most overlooked boost to e-books this year — and a challenge to some of the standard thinking about them — came from Apple’s do-it-all gadget, the iPhone.

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Several e-book-reading programs have been created for the device, and at least two of them, Stanza from LexCycle and the eReader from Fictionwise, have been downloaded more than 600,000 times. Another company, Scroll Motion, announced this week that it would begin selling e-books for the iPhone from major publishers like Simon & Schuster, Random House and Penguin.

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All of these companies say they are now tailoring their software for other kinds of smartphones, including BlackBerrys.

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Publishers say these iPhone applications are already starting to generate nearly as many digital book sales as the Sony Reader, though they still trail sales of books in the Kindle format.

□□□□□□iPhone□□Sony Reader□□□□□□□□□□□□□□□□□□Kindle□□

Meanwhile, the quest to build the perfect e-book reader continues. Amazon and Sony are expected to introduce new versions of their readers in 2009. Adherents expect the new Kindle will have a sleeker design and a better microprocessor, allowing snappier page-turning.

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Mr. Haber of Sony said future versions of the Reader will have wireless capability, a feature that has helped make the Kindle so appealing. This means that the device does not have to be plugged into a computer to download books, newspapers and magazines.

Sony[illegible]Kindle[illegible]

Other competitors are on the way. Investors have put more than $200 million into Plastic Logic, a company in Mountain View, Calif. The company says that next year it will begin testing a flexible 8.5-by-11-inch reading device that is thinner and lighter than existing ones. Plastic Logic plans to begin selling it in 2010.

[illegible]Plastic Logic[illegible]2[illegible]8.5*11[illegible]Plastic Logic[illegible]2010[illegible]

Along the same lines, Polymer Vision, based in the Netherlands, demonstrated a device the size of a BlackBerry that has a five-inch rolled-up screen that can be unfurled for reading. There are also less ambitious but cheaper readers on the market or expected soon, including the eSlick Reader from Foxit Software, arriving next month at an introductory price of $230.

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E Ink, the company in Cambridge, Mass., that has developed the screen technology for many of these companies, says it is testing color screens and hopes to introduce them by 2010.

E Ink[illegible]2010[illegible]

Many book lovers are quite happy with today’s devices. MaryAnn van Hengel, 51, a graphic designer in Croton-on-Hudson, N.Y., once railed against e-readers at a meeting of her book club. But she embraced the Kindle her husband gave her this fall shortly after Ms. Winfrey endorsed it.

[illegible]51[illegible]MaryAnn van Hengel[illegible]Kindle[illegible]

Ms. Van Hengel now has several books on the device, including a Nora Roberts novel and Doris Kearns Goodwin’s “Team of Rivals.” She said the Kindle had spurred her to buy more books than she normally would in print.

[illegible]Kindle[illegible]

“I may be shy bringing the Kindle to the book club because so many of the women were so against the technology, and I said I was too,” Ms. Van Hengel said. “And here I am in love with it.”

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I can still recall our last summer
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> Farewell and adieu to you fair Spanish ladies. Farewell and adieu
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> to you ladies of Spain. | For we’ve received orders to sail back to Boston. | And so nevermore shall we be seeing you again.
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A year without ‘Made in China’

from the December 20, 2005 edition - http://www.csmonitor.com/2005/1220/p09s01-coop.html

By Sara Bongiorni

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BATON ROUGE, LA. - Last year, two days after Christmas, we kicked China out of the house. Not the country obviously, but bits of plastic, metal, and wood stamped with the words “Made in China.” We kept what we already had, but stopped bringing any more in.

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The banishment was no fault of China’s. It had coated our lives with a cheerful veneer of toys, gadgets, and $10 children’s shoes. Sometimes I worried about jobs sent overseas or nasty reports about human rights abuses, but price trumped virtue at our house. We couldn’t resist what China was selling.

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But on that dark Monday last year, a creeping unease washed over me as I sat on the sofa and surveyed the gloomy wreckage of the holiday. It wasn’t until then that I noticed an irrefutable fact: China was taking over the place.

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It stared back at me from the empty screen of the television. I spied it in the pile of tennis shoes by the door. It glowed in the lights on the Christmas tree and watched me in the eyes of a doll splayed on the floor. I slipped off the couch and did a quick inventory, sorting gifts into two stacks: China and non-China. The count came to China, 25, the world, 14. Christmas, I realized, had become a holiday made by the Chinese. Suddenly I’d had enough. I wanted China out.

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Through tricks and persuasion I got my husband on board, and on Jan. 1 we launched a yearlong household embargo on Chinese imports. The idea wasn’t to punish China, which

would never feel the pinprick of our protest. And we didn't fool ourselves into thinking we'd bring back a single job to unplugged company towns in Ohio and Georgia. We pushed China out of our lives because we wanted to measure how far it had pushed in. We wanted to know what it would take in time, money, and aggravation to kick our China habit.

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We hit the first rut in the road when I discovered our son's toes pressing against the ends of his tennis shoes. I wore myself out hunting for new ones. After two weeks I broke down and spent $60 on sneakers from Italy. I felt sick over the money; it seemed decadent for a pair of children's shoes. I got used to the feeling. Weeks later I shelled out $60 for Texas-made shoes for our toddler daughter.

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We got hung up on lots of little things. I drove to half a dozen grocery stores in search of candles for my husband's birthday cake, eventually settling on a box of dusty leftovers I found in the kitchen. The junk drawer has been stuck shut since January. My husband found the part to fix it at Home Depot but left it on the shelf when he spotted the telltale "Made in China."

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Mini crises erupted when our blender and television broke down. The television sputtered back to life without intervention, but it was a long, hot summer without smoothies. We killed four mice with old-fashioned snapping traps because the catch-and-release ones we prefer are made in China. Last summer at the beach my husband wore a pair of mismatched flip-flops my mother found in her garage. He’d run out of options at the drug store.

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Navigating the toy aisle has been a wilting affair. In the spring, our 4-year-old son launched a countercampaign in support of “China things.” He’s been a good sport, but he’s weary of Danish-made Legos, the only sure bet for birthday gifts for his friends. One morning in October he fell apart during a trip to Target when he developed a sudden lust for an electric purple pumpkin.

“It’s too long without China,” he wailed. He kept at me all day.

The next morning I drove him back so he could use his birthday money to buy the pumpkin for himself. I kept my fingers off the bills as he passed them to the checker.

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My husband bemoans the Christmas gifts he can't buy because they were made in China. He plans to sew sleeping bags for the children himself. He can build wooden boats and guitars, but I fear he will meet his match with thread and needle.

"How hard can it be?" he scoffed.

The funny thing about China's ascent is that we, as a nation, could shut the whole thing down in a week. Jump-start a "Just Say No to Chinese Products Week," and the empire will collapse amid the chaos of overloaded cargo ships in Long Beach harbor. I doubt we could pull it off. Americans may be famously patriotic, but look closely, and you'll see who makes the flag magnets on their car bumpers. These days China delivers every major holiday, Fourth of July included.

I don't know what we will do after Dec. 31 when our family's embargo comes to its official end. **China-free living has been a hassle.** I have discovered for myself that China doesn't control every aspect of our daily lives, but if you take a close look at the underside of boxes in the toy department, I promise it will give you pause.

Our son knows where he stands on the matter. In the bathtub one evening he told me how happy he was that "the China season" was coming soon.

"When we can buy China things again, let's never stop," he said.

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After a year without China I can tell you this: You can still live without it, but it's getting trickier and costlier by the

day. And a decade from now I may not be brave enough to try it again.

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Sara Bongiorni is a freelance writer and is working on a book about her family’s yearlong adventure in the global economy.

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To: hzou@worldbank.org

Subject:

03/28/2004 8:30PM

Hengfu:

I am at Home. You can call me 00000000, or
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Dear Weiying,

I’ll call you right away.

Heng-fu

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——-“zhang weiying” wrote: ——-

To: “Hzou@worldbank.org”

From: “zhang weiying”

Date: 06/07/2006 02:37AM

cc: “zpwu2006”

Subject:

Dear Hengfu:

How are you? Long time no see! Hope this letter find you well.

I would like to let you know that the deans meeting has made the following decision at this afternoon meeting:

(1) Appoint Cai Hongbin as the Chairperson of the Applied Economics Department; and Zhou Li’an as the deputy chairperson of the department.

(2) So, you and Li Qi will not take any admistrative duty at the Department of Applied Economics from today.

I hope you understand this decision. I appreciate your contributions to the school and the department as well. However, as I told you last year, given your time constraints, you are unable to do administrative work as required for the department chair.

I hope you will continue to keep your promise to the School. While we have a special policy to you, as a professor, some minimum requirements must be met. In particular, apart from Wuhan University and the World Bank, you shall not take any other postions with other institutes.

I am sorry, since I have been not able to find you, I have not been to talk about this decision to you face-to-face,

Regards

Weiying

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April 6, 2007

Dr. Hengfu Zou

World Bank

Dear Hengfu:

I write to formally inform you that based on the facts that (1) you have been long time absent from the school in past few years; (2) you are not able to take faculty responsibility; and (3) you have been heavily involved with other university's activities in violating the School's rules, the Guanghua School of Management has decided, at the deans meeting of April 4, 2007, from May 1, 2007, you will no longer be entitled to receive any compensation from the school and you will no longer take the title of "Dong Furen Endowed Chair Professor". You also need to empty your occupation of flat No.201, Door One at Building 11 at Dongsheng Yuan before August 31, 2007. However, you may be continuously entitled to receive the University's salary before the University makes any decision on your employment relation.

At the same deans meeting, the school also decided that the school would stop financial support to Annals of Economics and Finance from this year.

I am sorry to let you know the above decision. We appreciate your contribution to the school from 1999 to 2002. However, I must say that commitment to the school is essential for any faculty member. Your recent years' performance disqualifies your faculty position in the school.

The school shall inform the Personnel Department of Peking University of the above decision.

Yours sincerely

Zhang Weiying

Dean

Guanghua School of Management

Peking University

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Xiamen - June 1, 2007

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> Hi, I’m Gilbert Arenas and this is my story,
> Hi[illegible]·[illegible]
> When I entered the NBA,
> [illegible]NBA
> the first 40 games of my career I sat on the bench.
> [illegible]40[illegible]
> They said I was gonna play zero minutes.
> [illegible]
> You know I just think they didn’t see the talent that I had.
> [illegible]
> They thought I was a zero.
> [illegible]0[illegible]
> Instead of sitting there being bitter,
> I just practiced, practiced.
> [illegible]
> If no one believes in you,
> anything you do is a positive.
> [illegible]
> It wasn’t even about basketball any more,
> [illegible]
> It was about proving them wrong,
> [illegible]
> Now the reason I wear No. 0 is because it lets me know that I need

to go out | there and fight every day. |

The Psychic Scars That Shaped an NBA Star

By Mike Wise
Washington Post Staff Writer
Sunday, October 29, 2006; Page A01

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What’s a Healthy Family

A family is the smallest unit in society. The roots of many social problems are within the families. So a healthy family not only is good for every member of hers, but also makes valuable contribution to the social harmony.

Wherever in the world, people have some common views about what a healthy family is. For instance, we all think that love is the most important link within a family. Yesterday, I read an article in the newspaper about Director Zhang Yi-Mou’s new movie “My father and mother”. The article said many Australians shed their tears when they saw the movie. These people said that they were moved deeply by the true love of two common Chinese in 1950s. I think the article showed us that the audience of the Orient and the West have the same feeling to the unbreakable love and responsibilities between a man and a woman.

In my views, I think that a healthy family is a synthetic individual unit which can contain every member’s different opinions. A healthy family is not only a system of sharing responsibility, but also a system of individual freedom. It not only respects for each other’s privacy, but also makes every member understand each other’s circumstances. It has the ability to bring quarrels to a quick and satisfying conclusion rather than to suppress the quarrels by a patriarch. It gives every child clear parental guidelines on the right and the wrong, not imperious orders. It produces easy interaction among all family members and attaches great importance to all family members’ independence.

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economy continues to exhibit robust growth, with a strong labor market and moderate inflation.□□ □□the U.S. economy appears to be making a transition from the rapid rate of expansion experienced over the preceding several years to a more sustainable average pace of growth.□

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[illegible]（American Idol）[illegible]

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[illegible]Shawn Michelle[illegible]

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> Everybody says i look like either osama bin laden or jesus or castro or just a homeless bum. but really,i think all us are kind of homeless. often it comes down to it, all us are really poor inside.

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15□LOL□Laugh Out Loud□□□□

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17□BRB□Be right back□□□□□□

18□TTYL□Talk to you later□□□□□□

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When the shows were over We had to get back home,
And when we opened up the door
I had to be alone.

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She helped me with my suitcase, She stands before my eyes
Driving me to the airport,
And to the friendly skies.

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Going through security I held her for so long.
She finally looked at me in love,

And she was gone.

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Just a song before I go, A lesson to be learned.
Travelling twice the speed of sound
It’s easy to get burned.

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1-The Beatles-yesterday

2-Rolling Stones-Satisfaction

3-Nirvana - Smells Like Teen Spirit

4-Madonna - Like A Virgin

5-Michael Jackson - Billie Jean

6-Beatles - I Want To Hold Your Hand

7-Aretha Franklin-Respect

8-U2-With or Without You,U2

9-Jackson 5 - I Want You Back

10-Backstreet boys-I Want It That Way

11-The Eagles-Hotel California

12-The Supremes-Where Did Our Love Go

13-Guns N’ Roses-Sweet Child O’ Mine,

14-The Rolling Stones-Brown Sugar

15-John Lennon-Imagine

16-Sinead O’Connor-Nothing Compares to You

17-Stevie Wonder-Superstition

18-R.E.M.-Losing My Religion

19-Madonna-Vogue

20-Bob Dylan-Like A Rolling Stone

21-Van Morrison-Brown Eyed Girl

22-Michael Jackson-Beat It

23-Roy Orbison-Oh, Pretty Woman

24-Marvin Gaye - What’s Going On

25-Brittany Spears - Baby One More Time

26-Fleetwood Mac - Go Your Own Way

27-Prince-When Doves Cry

28-Hanson-MMMBop

29-Queen-Bohemian Rhapsody

30-Elton John-Your Song

31-Santana f Rob Thomas-Smooth

32-Otis Red-(Sittin’ On) The Dock of the Bay

33-The Who-My Generation,

34-Alanis Morissette-Ironic

35-Bruce Springstein - Born to run

36-TLC-Waterfalls

37-O.P.P. - Naughty By Nature

38-David Bowie - Changes

39-Goo Goo Dolls-Iris

40-Whitney Houston-I Will Always Love You

41-Creedance Clearwater Revival - Proud Mary

42-The Police-Every Breath You Take

43-Rolling Stones - Miss You

44-ABBA-Dancing Queen

45-Eric Clapton-Tears in Heaven

46-Smokey Robinson - The Tracks Of My Tears

47-Van Halen-Jump

48-Pearl Jam - Jeremy

49-Bob Dylan - Tangled Up In Blue

50-Prince-Little Red Corvette

51-The Temptations - Just My Imagination

52-Paul McCartney - Maybe I’m Amazed

53-George Micheal - Faith

54-Red Hot Chili Peppers - Under The Bridge

55-N’Sync - Bye Bye Bye

56-Gloria Gaynor - I Will Survive

57-The Go Go’s - Our Lips Are Sealed

58-The Wallflowers - One Headlight

59-Stevie Wonder - You Are the Sunshine of My Life

60-Billy Joel - Just The Way You Are

61-REM - The One I Love

62-Madonna - Papa Don’t Preach

63-Beatles - In My Life

64-Elton John - Bennie And The Jets

65-The Cars - Just What I Needed

66-Cyndi Lauper - Time After Time

67-Eminem - My Name Is

68-Garbage - Only Happy When It Rains

69-Depeche Mode - Just Can’t Get Enough

70-Beach Boys - Good Vibrations

71-Romones - I Wanna Be Sedated

72-Tom Petty - Free Fallin’

73-Culture Club - Do You Really Want to Hurt Me

74-Elton John - Tiny Dancer

75-Sly and Family Stone - Hot Fun In The Summer time

76-Radiohead - Creep

77-Al Green - Lets Stay Together

78-Green Day - Longview

79-Janet Jackson - Nasty

80-LL Cool J - I Need Love

81-No Doubt - Don’t Speak

82-Michael Jackson - Rock With You

83-Foreigner - I Want To Know What Love Is

84-Oasis - Wonderwall

85-Cheap Trick - Surrender

86-Human League - Don’t You Want Me

87-Pretenders - Brass In Pocket

88-Wyclef Jean - Gone Till November(acoustic)

89-Wham - Careless Whispers

90-Brandy and Monica - That Boy Is Mine

91-Backstreet Boys - No Diggity(Featuring Dr. Dre)

92-ACDC - You Shook Me All Night Long

93-Bee Gees - Stayin’ Alive

94-Blink 182 - All The Small Things

95-Chic - Good Times [Longer Disco Version]

96-Def Leopard - Photograph

97-B-52’s - Love Shack

98-Fine Young Cannibals - She Drives Me Crazy

99-Biz Markie - Just A Friend.mp3100-Soft Cell - Tainted Love

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12. [□□□□] □□□□□
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14. [□□□□] □□□□□
[□□□□] Flushed Away
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15. [□□□□] □□□□
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Open Lecture Series for the 8th Foreign Languages Festival Fall 2006 Semester

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**1[illegible] Topic: The Geographical and Cultural Diversity of the United

States** Time: 13:30-14:30 Tuesday Oct.17, 2006 | Classroom: 2401 | Lecturer: Elisabeth Weir

2[illegible]Topic: American Football on the College Campus Time:

13:30-14:30 Tuesday Oct. 24, 2006 | Classroom: 2401 | Lecturer: William London

3□Topic: Kentucky: Past, Present and Your Future Time:

13:30-14:30 Tuesday Oct.31, 2006 | Classroom: 2401 | Lecturer: Eric Davis

4□Topic: Obesity in America Time: 13:30-14:30 Tuesday Nov.14,

2006 | Classroom: 2401 | Lecturer: Robert Crabtree

5□Topic: A View of the Human Resources Manager's Office Time:

13:30-14:30 Tuesday Nov.21, 2006 | Classroom: 2401 | Lecturer: Colin Asimus

6□Topic: How the West Should Be Run Time: 13:30-14:30 Tuesday

Nov.28, 2006 Classroom: 2401 Lecturer: Michael Sanger | **7□Topic: Different Cultures and Business:

——Ways of behavior, Misunderstanding, Etiquette, Solution of

Controversies** Time: 13:30-14:30 Tuesday Dec. 5, 2006 Classroom: 2401 Lecturer: Denis de Castro Halis | □□□□□□

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1. □□□□□□Get out of the library□□
2. □□□□□□□□□□□□Start a business in your dorm room□□

3. □□□□□□□□□□□□□□□□□□□□□□□□Don’t take on debt that is too limiting□□

4. □□□□□□□□Get involved on campus□□
5. □□□□□□□□□□Avoid grad school in the liberal arts□□
6. □□□□□□□□□□□□□□□□□□□□Skip the law-school track□□
7. □□□□□□□□Play a sport□□

8. □□□□□□□□□□□□□□□□□□Separate your expectations from those of your parents□□

9. □□□□□□□□□□□□□□□Try new things that you’re not good at□□

10. □□□□□□□□”□□”□Define success for yourself□□
11. □□□□□□□□□□□Make your job search a priority□□
12. □□□□□□□□Take a course in happiness□□
13. □□□□□□□Take an acting course□□
14. □□□□□□□Learn to give a compliment□□
15. □□□□□□□□□□□□□Use the career center□□

16. □□□□□□□□□□□□□□□□□□□□□Develop a strong sense of self by dissing colleges that reject you□□

17. [illegible]Apply to Harvard as a transfer student[illegible]

18. [illegible]Get rid of your perfectionist streak[illegible]

19. [illegible]Work your way though college[illegible]

20. [illegible]Make to do lists[illegible]

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2. Solidot Gmail Gmail MX | 3. 8 (service@solidot.org) (Paypal) | 4.

Solidot Sorry!

Jesse "CdrPlum" Lee

Solidot Geek RMB 100k , 100M (Solidot.org/.com)
cdrplum@gmail.com

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> Today’s leadership in China wants its high-schoolers to view the future through the eyes of Bill Gates, not Mao Zedong…. It’s another sign that, as China plows ahead into the high-tech global market, it remains opposed to free exchange of ideas.

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Whatever helps the farmer helps everybody

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[illegible]·[illegible]·[illegible]George Washington Carver[illegible]1864-1943[illegible]

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1921[illegible]

> **Whatever helps the farmer helps everybody.**[illegible]

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> **Whatever helps the poor helps everybody.**[illegible]

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P.S.

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Einstein lived not to conquer or destroy, but to understand.

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[illegible]Tower of Babel[illegible]

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> And all the earth had one language and one tongue.
>
> [illegible]
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> And they said, Come, let us make a town, and a tower whose top will go up as high as heaven; and let us make a great name for ourselves, so that we may not be wanderers over the face of the earth.
>
> [illegible] [illegible]
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> And the Lord came down to see the town and the tower which the children of men were building.
>
> [illegible] [illegible]
>
> And the Lord said, See, they are all one people and have all one language; and this is only the start of what they may do: and now it will not be possible to keep them from any purpose of theirs.
>
> [illegible]

Come, let us go down and take away the sense of their language, so that they will not be able to make themselves clear to one another.

[illegible]

So the Lord God sent them away into every part of the earth: and they gave up building their town.

[illegible]

So it was named Babel, because there the Lord took away the sense of all languages and from there the Lord sent them away over all the face of the earth.

1563[illegible]Pieter Bruegel[illegible]

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people laugh and people cry

some give up some always try

some say hi some say bye

others may forget you but never I

[illegible]

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A beautiful poem

People live people die People laugh people cry Some give up some will

try | Some say hi some say bye | Some may forget you but never will I

Feel good when somebody misses you
Feel better when somebody loves you
But feel best when somebody never forgets you
Flowers need sunshine Violets need dew All Angels in heaven know I

need you Years may fly | Tears may dry | But my friendship with you will never die

If kisses were water I will give you sea If kisses were leaves I will

give you a tree If you love planet | I will give you a galaxy | If friendship were life I will give you mine

In my life I learned how to love to smile to be happy to be strong to

work hard to be honest to be faithful to forgive | But I couldn’t learn how to stop remembering you

There are many stars but the moon is you There are many friends but

the best is you | To forget me that’s up to you | To forget you I will never ever do

You may be out of my sight but not out of my heart
You may be out of my reach but not out of my mind
I may mean nothing to you but you will always be special to me!

P.S.

[illegible]Beatles[illegible]40[illegible]

I want you I want you so bad I want you
I want you so bad it’s drving me mad
It’s drving me mad

——**I Want You (She’s So Heavy)**

You say yes, I say no. You say stop and I say go go go, oh no. You say

goodbye and I say hello | Hello hello | I don’t know why you say goodbye, I say hello

——**Hello Goodbye**

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WHERE ARE MY ITEMS?!

THIS IS MY LAST WARNING!!!

SEND ME THE ITEMS OR MY MONEY BACK OR I WILL REPORT YOU TO THE POLICE AND EBAY COSTUMERS SERVICES!!!

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“[illegible]”[illegible]Exodus[illegible]Deuteronomy[illegible]

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19:1
[hgb] [illegible]

[illegible] | [bbe] In the third month after the children of Israel went out from Egypt, on the same day, they came into the waste land of Sinai.

19:2
[hgb] [illegible]

[illegible] | [bbe] And when they had gone away from Rephidim and had come into the waste land of Sinai, they put up their tents in the waste land before the mountain: there Israel put up its tents.

19:3
[hgb] [illegible]

[illegible] | [bbe] And Moses went up to God, and the voice of the Lord came to him from the mountain, saying, Say to the family of Jacob, and give word to the children of Israel:

19:4
[hgb] [illegible]

[illegible] | [bbe] You have seen what I did to the Egyptians, and how I took you, as on eagles’ wings, guiding you to myself.

19:5
[hgb] [illegible]

□□□□□□□□□□□□□□□□□□□□| [bbe] If now you will truly give ear to my voice and keep my agreement, you will be my special property out of all the peoples: for all the earth is mine:

19:6
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□| [bbe] And you will be a kingdom of priests to me, and a holy nation. These are the words which you are to say to the children of Israel.

19:7
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□| [bbe] And Moses came and sent for the chiefs of the people and put before them all these words which the Lord had given him orders to say.

19:8
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□| [bbe] And all the people, answering together, said, Whatever the Lord has said we will do. And Moses took back to the Lord the words of the people.

19:9
[hgb] □□□□□□□□□□□□□□□□□□□□□

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□□□□□□□□| [bbe] And the Lord said to Moses, See, I will come to you in a thick cloud, so that what I say to you may come to the ears of the people and they may have belief in you for ever. And Moses gave the Lord word of what the people had said.

19:10
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□ | [bbe] And the Lord said to Moses, Go to the people and make them holy today and tomorrow, and let their clothing be washed.

19:11
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□ | [bbe] And by the third day let them be ready: for on the third day the Lord will come down on Mount Sinai, before the eyes of all the people.

19:12
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□ | [bbe] And let limits be marked out for the people round the mountain, and say to them, Take care not to go up the mountain or near the sides of it: whoever puts his foot on the mountain will certainly come to his death:

19:13
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ |
[bbe] He is not to be touched by a hand, but is to be stoned or have an arrow put through him; man or beast, he is to be put to death: at the long sounding of a horn they may come up to the mountain.

19:14
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□ | [bbe] Then Moses went down from the mountain to the people, and made the people holy; and their clothing

was washed.

19:15
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□ | [bbe] And he said to the people, Be ready by the third day: do not come near a woman.

19:16
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□ | [bbe] And when morning came on the third day, there were thunders and flames and a thick cloud on the mountain, and a horn sounding very loud; and all the people in the tents were shaking with fear.

19:17
[hgb] □□□□□□□□□□□□□□□□□□
[bbe] And Moses made the people come out of their tents and take

their places before God; and they came to the foot of the mountain,

19:18
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□ | [bbe] And all the mountain of Sinai was smoking, for the Lord had come down on it in fire: and the smoke of it went up like the smoke of a great burning; and all the mountain was shaking.

19:19
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□ | [bbe] And when the sound of the horn became louder and louder, Moses’ words were answered by the voice of

God.

19:20
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□ | [bbe] Then the Lord came down on to Mount Sinai, to the top of the mountain, and the Lord sent for Moses to come up to the top of the mountain, and Moses went up.

19:21

[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□ | [bbe] And the Lord said to Moses, Go down and give the people orders to keep back, for fear that a great number of them, forcing their way through to see the Lord, may come to destruction.

19:22
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□ | [bbe] And let the priests who come near to the Lord make themselves holy, for fear that the Lord may come on them suddenly.

19:23
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□ | [bbe] And Moses said to the Lord, The people will not be able to come up the mountain, for you gave us orders to put limits round the mountain, marking it out and making it holy.

19:24
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□|
[bbe] And the Lord said to him, Go down, and you and Aaron may come up; but let not the priests and the people make their way through to the Lord, or he will come on them suddenly.

19:25
[hgb] □□□□□□□□□□□□□□□
[bbe] So Moses went down to the people and said this to them.
20:1
[hgb] □□□□□□□□□□
[bbe] And God said all these words:
20:2
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□| [bbe] I am the Lord your God who took you out of the land of Egypt, out of the prison-house.

20:3
[hgb] □□□□□□□□□□□□□□
[bbe] You are to have no other gods but me.
20:4
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□| [bbe] You are not to make an image or picture of anything in heaven or on the earth or in the waters under the earth:

20:5

[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□|
[bbe] You may not go down on your faces before them or give them worship: for I, the Lord your God, am a God who will not give his honour to another; and I will send

punishment on the children for the wrongdoing of their fathers, to the third and fourth generation of my haters;

20:6
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□| [bbe] And I will have mercy through a thousand generations on those who have love for me and keep my laws.

20:7
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□| [bbe] You are not to make use of the name of the Lord your God for an evil purpose; whoever takes the Lord’s name on his lips for an evil purpose will be judged a sinner by the Lord

20:8
[hgb] □□□□□□□□□□□□
[bbe] Keep in memory the Sabbath and let it be a holy day.
20:9
[hgb] □□□□□□□□□□□□
[bbe] On six days do all your work:
20:10
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□|
[bbe] But the seventh day is a Sabbath to the Lord your God; on that day you are to do no work, you or your son or your daughter, your man-servant or your woman-servant, your cattle or the man from a strange country who is living among you:

20:11
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□| [bbe] For in six days the Lord made heaven and earth, and the sea, and everything in them, and he took his rest on the seventh day: for this reason the Lord has given his blessing to the seventh day and made it holy.

20:12
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□| [bbe] Give honour to your father and to your mother, so that your life may be long in the land which the Lord your God is giving you.

20:13
[hgb] □□□□□
[bbe] Do not put anyone to death without cause.
20:14
[hgb] □□□□□
[bbe] Do not be false to the married relation.
20:15
[hgb] □□□□□
[bbe] Do not take the property of another.
20:16
[hgb] □□□□□□□□□□
[bbe] Do not give false witness against your neighbour.
20:17
[hgb] □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□| [bbe] Let not your desire be turned to your neighbour’s house, or his wife or his man-servant or his woman-servant or his ox or his ass or anything which is his.

The Ten Commandments

First

”I am The Lord your God, Who brought you out of the land of Egypt, out of the house of bondage. You shall have no other gods before Me.”

Second

”You shall not make for yourself a graven image, or any likeness of anything that is in heaven above, or that is in the earth beneath, or that is in the water under the earth; you shall not bow down to them or serve them; for I The Lord your God am a jealous God, visiting the iniquity of the fathers upon the children to the third and the fourth generation of those who hate Me, but showing steadfast love to thousands of those who love Me and keep My Commandments.”

Third

”You shall not take The Name of The Lord your God in vain; for The Lord will not hold him guiltless who takes His Name in vain.”

Fourth

”Remember the Sabbath day, to keep it holy. Six days you shall labor, and do all your work; but the seventh day is a Sabbath to The Lord your God; in it you shall not do any work, you, or your son, or your daughter, your manservant, or your maidservant, or your cattle, or the sojourner who is within your gates; for in six days The Lord made heaven and earth, the sea, and all that is in them, and rested the seventh day; therefore The Lord blessed the Sabbath day and hallowed it.”

Fifth

”Honor your father and your mother, that your days may be long in the land which The Lord your God gives you.”

Sixth

”You shall not kill.”

Seventh

”You shall not commit adultery.”

Eighth

”You shall not steal.”

Ninth

”You shall not bear false witness against your neighbor.”

Tenth

”You shall not covet your neighbor’s house; you shall not covet your neighbor’s wife, or his manservant, or his maidservant, or his ox, or his ass, or anything that is your neighbor’s.”

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[illegible]Jeff Tedford [illegible]UC Berkeley[illegible]

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Kee D. Kim
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Jeffrey C. Wang
Associate Professor in Residence UC Los Angeles $99,759 $498,259
Kenneth R. Chien
Professor UC San Diego $99,309 $402,701
Helena R. Chang
Professor UC Los Angeles $164,226 $393,590
Edward Diao
Professor UC San Francisco $78,503 $378,850
David Lu
Professor UC Los Angeles $129,447 $356,000
Yuet W. Kan
Professor UC San Francisco $153,573 $354,432
David T. Wong
Professor UC Los Angeles $166,107 $352,267

Ming T. Tsuang
Professor UC San Diego $113,933 $338,591
Wenyuan Shi
Professor UC Los Angeles $78,498 $338,198
Hanmin Lee
Assistant Professor in Residence UC San Francisco $63,208 $334,116
Steven Chu
Laboratory Director UC Lawrence Berkeley $320,837 $322,041
Terrence H. Liu
Hs. Associate Clinical Professor UC San Francisco $73,791 $321,000
Sang-Mo Kang
Assistant Professor in Residence UC San Francisco $56,805 $318,181
Julin Tang
Hs. Associate Clinical Professor UC San Francisco $69,794 $303,677
Chih-Ming Ho
Professor - Business/English UC Los Angeles $218,500 $302,610
Peter Chi-Yue Liang
Hs. Assistant Clinical Professor UC Los Angeles $96,985 $302,149
Christopher Siu Tang
Professor - Business/English UC Los Angeles $194,500 $296,833
Fu-Tong Liu
Professor UC Davis $136,849 $293,890
Henry T. Yang
Chancellor UC Santa Barbara $280,700 $289,616
Zijian Xu
Hs. Assistant Clinical Professor UC Los Angeles $89,900 $268,750
Jun Liu

Assistant Professor - Business/English UC Los Angeles $131,000

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Hong Liu
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Shu Chien
Professor UC San Diego $203,334 $253,116
Wen-Hwa Lee
Professor UC Irvine $153,870 $250,000
Victor W. Xia
Hs. Assistant Clinical Professor UC Los Angeles $102,168 $246,315
Mu-Ming Poo
Professor UC Berkeley $183,600 $245,710
Hong Y. Li
Hs. Assistant Clinical Professor UC Davis $53,900 $236,883
Ke Shuai
Professor UC Los Angeles $102,083 $235,200
Ke-Qin Hu
Associate Professor of Clinical… UC Irvine $69,806 $235,000
Xiang Zhang
Associate Professor - Business/English UC Berkeley $117,000 $231,100
Zhuang T. Fang
Hs. Assistant Clinical Professor UC Los Angeles $96,985 $229,471
Henry Huang
Professor UC Los Angeles $193,394 $223,100
Allan Yi-Nan Chen
Assistant Professor in Residence UC Davis $66,400 $220,370
Benjamin Yeh
Assistant Professor in Residence UC San Francisco $56,806 $215,397
Jae Woo Lee

Assistant Professor in Residence UC San Francisco $56,801 $214,429
Kuo-Nan Liou
Professor UC Los Angeles $160,000 $213,333
Jian-Kang Zhu
Professor UC Riverside $150,000 $212,877
Mo K. Kang
Assistant Professor UC Los Angeles $87,208 $210,510
Lee-May Chen
Hs. Assistant Clinical Professor UC San Francisco $59,900 $210,000
Ching C. Wang
Professor UC San Francisco $151,228 $209,635
Zang-Hee Cho
Professor UC Irvine $137,007 $205,500
Kang Lung Wang
Professor - Business/English UC Los Angeles $151,600 $203,439
King-Ning Tu
Professor - Business/English UC Los Angeles $151,500 $202,887
Sungho Jin
Professor - Business/English UC San Diego $150,000 $200,000

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[illegible]Wallace & Gromit in The Curse of the Were-Rabbit[illegible]

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Which one is the most handsome?

Wallace & Gromit[illegible]

[illegible]Wallace & Gromit[illegible] Aardman[illegible]Wallace[illegible], [illegible] Gromit[illegible]Wallace[illegible](A Grand Day Out)[illegible](The Wrong Trousers)[illegible] (A Close Shave)[illegible]

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The Curse of the Were-Rabbit Aardman

Chicken Run 2000

Aardman

Wallace Gromit

Wallace Gromit

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Robots Corpse Bride

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One of the questions in the survey asked people if they suffered from headaches, sleeplessness, worries, loneliness, etc.— since people who do consider themselves less happy than those won don’t. Married women who do not work are much more likely to have these kinds of symptoms,” the book says. “Employed wives are less anxious and worried, and less likely to feel worthless than housewives.”

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Despite widespread belief that the middle years are the happiest, the

survey says this isn’t so. Nor does old age inevitably mean the onset of unhappiness. | An intriguing sidelight of the survey is the discovery that people become gradually less happy with the state of their health from age 20 to age 45, but then things level off. “From the age of 45 on, people do not report any noticeable change in the extent to which health is a problem or a source of unhappiness.”

As might be expected, major factors contributing to unhappiness in old age are reduced income, loss of a spouse, and the boredom of retirement. Yet, on the whole, “the reported happiness levels of people in the later years, including a great many who have retired, is no lower than in

any other group.” In fact, older people are more likely to say that they are very happy than any other age group in the survey.

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A large part of the influence of money and education on happiness derives from one’s original expectations. If you thought you’d earn a lot, and did, you may have a “so what?” attitude. But if your expectations have been overfulfilled, the happiness that comes from getting more than you thought you would get can be quite pronounced. “The happiness that comes from getting more than you thought you would get can be quite pronounced. “The happiest groups were those with little education who earned a lot; while the highly educated who earned a lot were not so well off psychologically.”

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Satisfaction with your work is more important element of happiness

than anything except love and marriage, the survey makes clear. Ranking various occupations by the happiness of the workers revealed that clerks were at the bottom of the the range, secretaries and blue-collar workers came next, the architects, college professors, nurses and managers. And at the top of the contentment scale came clergymen, psychologists and entertainers. | “One of the enigmas of this survey,” Freedman writes, “is that lawyers and, even more so, doctors, rated themselves as relatively unhappy.”

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Although the key to happiness does not lie in one’s childhood experiences, it does seem to be associated with a child’s relationship with the same-sex parent and with childhood guilt — “two factors from early life closely related to adult unhappiness.”

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To love and be loved in return. To have enough money, but not necessarily a great deal. To have meaning and direction in life, and a sense of control over it. To have received more from life than you expected.

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[illegible]Jonathan Freedman[illegible]

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People see love as the key to happiness. **Those who love and are loved in return are happier than others. Great prosperity, a high-status job, health, personal attractiveness, marriage, even sex — none of these make up for a lack of love. “You can be happy without a good sex life, and you can have a good sex life and be unhappy.**” Freedman point out, though sex is an important element in happiness for most people.

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Being married makes happiness easier, even in an age of widespread divorce. “Despite changing attitudes toward marriage and the incredible high divorce rate,” says Freedman, “**a vast majority of our population seem to find happiness in marriage and to be unhappy if they remain single too long.**”

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Single men and women are generally less happy than married ones. Still, the questionnaire replies revealed sharp differences between the sexes. After age 40, the “happiness gap” between single and married men seems to disappear, while it increases between single and married women. For many reasons, life seems particularly hard for single women as they age.

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Those who are divorced are much less happy than those who maintain a central love relationship. So it comes as no surprise that most who get divorced eventually remarry. And those who do get married again, the survey indicates, are much better off than those who do not.

Second marriages have at least as much potential for happiness as first ones. “One failure, one poor choice, one relationship that does not work out, may cause considerable unhappiness, but it does not seem to reduce one’s chance for finding happiness in marriage or in general.” In fact, survey results indicate that for men the second marriage is happier than the first. Unfortunately, women, on average, are slightly less happy in a second marriage.

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Nothing lasts forever, Even cold November rain

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When I look into your eyes I can see a love restrained
But darlin’ when I hold you
Don’t you know I feel the same
‘Cause nothin’ lasts forever And we both know hearts can change
And it’s hard to hold a candle
In the cold November rain

[illegible]

So if you want to love me then darlin’ don’t refrain
Or I’ll just end up walkin’
In the cold November rain
I know it’s hard to keep an open heart When even friends seem out to

harm you | But if you could heal a broken heart | Wouldn’t time be out to charm you

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And when your fears subside And shadows still remain I know that you

can love me When there’s no one left to blame So never mind the darkness We still can find a way | ‘Cause nothin’ lasts forever | Even cold November rain

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2. Revised Version[illegible]1881

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3. American Standard Version (ASV), 1901

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4.Bible In Basic English (BBE) [illegible]1941

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5. Revised Standard Version (RSV) [illegible]1946

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6. New World Translation of the Holy Scriptures (NWT) [illegible]1950

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7. New American Standard Bible (NASB) [illegible]1971

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8. New International Version (NIV) □1978

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Up Where We Belong□□□□□□

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□□□□□□□An officer and a gentleman□(□□□□□1982)□□□□□□□□□□□□□Up Where We Belong□□□□□□□□□□□□

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The road is long
There are mountains in the way
But we climb a step every day
Love lift us up where we belong
Where the eagles cry
On a mountain high
Love lift us up where we belong
Far from the world we know
Up where the clear winds blow

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Young Panchen Lama sees “great historic mission” on his shoulders
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BEIJING, April 13 (Xinhuanet) — **The favorite toy of the 15-year-old

11th Panchen Lama, one of Tibet’s top religious leaders, was a model of “Shenzhou-5”, China’s first manned spacecraft sent into orbit in October 2003.**

He was immediately attracted by the model when he first saw it at the national museum of science and technology in Beijing, and showed a strong interest in how the spaceship was designed and how it worked.

“I am happy about the latest scientific achievements of our country,” said the young Panchen Lama, who was confirmed as the reincarnation of the previous Panchen and enthroned

10 years ago with a religious name Bainqen Erdini Qoigyijabu.

In an exclusive interview with China Central Television (CCTV) broadcast nationwide on Monday, the Panchen Lama, who called himself “an earnest viewer of prime time news programs of CCTV”, told the audience of his life over the past decade.

”I AM NOT A KID, NOR AN ADULT, BUT A YOUTH”

In Tibetan Buddhism, the honorary title of Panchen Lama was conferred on an erudite person believed to be the reincarnation of “Amitabha,” the highest-ranking Buddha. So the successive Panchen Lamas have enjoyed extremely high prestige among the religious believers in Tibet.

Bainqen Erdini Qoigyijabu was confirmed and approved by the State Council, China’s cabinet, as the reincarnation of the 10th Panchen Lama on Nov. 29, 1995 after a ceremony of drawing lots from a sacred gold urn, conducted in strict compliance with religious rituals and historical conventions.

He ascended the holy throne as the 11th Panchen Lama at a formal solemn ceremony held at the Zhaxi Lhunbo Lamasery, the seat of successive Panchen Lamas, on Dec. 8, 1995.

He has been leading a routine daily life since he was five years old: getting up at 6:30 a.m., prostrating to kowtow three times to the statue of Sakyamuni in his bedroom, and then spending the whole day studying various subjects.

The study of Buddhist sutras and religious rituals constitutes a main part of the young Panchen Lama’s daily life, and it will take him at least 22 years to complete the study of all sutra lessons.

But his greatest hobby is to practice calligraphy, on which he spent nearly one hour each day. He now has an excellent handwriting in both Tibetan and Chinese languages, as well as in Sanskrit, the ancient Indic language now most of ten found in the classical religious and literary works.

He also takes much interest in modern appliances such as a notebook computer, which he often uses to help himself do homework assigned by his tutors.

Despite the marked progress he has made in his learning over the past decade, the young Panchen Lama said that he believes there is no end for his study throughout his life.

While asked to comment on himself at the present stage, the young religious leader said: “I am not a kid, nor an adult, but a youth.”

Though being a living buddha, the 11th Panchen Lama also loves all members of his secular family. “I shall never forget it was my parents who brought me to this world, and I am also much concerned about my elderly brother, who often consulted me on some difficulties he met in his study,” he said.

“I CAN FEEL THE GREAT HISTORIC MISSION ON MY SHOULDERS”

Still having a fresh memory of the moment when he was confirmed as the 10th Panchen Lama’s reincarnation, Bainqen Erdini Qoigyijabu said: “I can feel the great historic mission on my shoulders.”

“I shall work hard for the unification of the motherland, for ethnic unity, for the well-being of the people, and for the healthy development of Tibetan Buddhism along a path

compatible with the socialist society," he said. "This is the mission I must fulfill."

"The most fundamental point is that I must inherit and carry forward the glorious tradition of the successive Panchen Lamas to love the country and love the religion," he added.

In 10 years' time, the boy has grown into a beloved religious leader who enjoys high esteem among the Tibetan Buddhists.

When he first performed the Buddhist rituals in 1999 at the Zhaxi Lhunbo Lamasery in the city of Xigaze, tens of thousands of worshippers swarmed in from all parts of Tibet and the neighboring provinces, forming a two-kilometer-long queue to seek his blessings through the head-touching ritual.

The young Panchen Lama said that he owed his religious attainments to his tutors, especially four masters of Buddhist sutras who taught him in the past 10 years.

"I was greatly saddened when two of them passed away," he said."I

shall never forget their teachings and study even harder to live up to their expectations." | □□□□□
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Zhensheng, a Chinese photographer who documented Mao Tse-tung’s tumultuous Cultural Revolution, to …”.

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The media and the atmosphere of the society do influence the boys and girls seriously, but I still think the behavior of the student is too much for her mum.He should study hard instead of paying too much attention to the dressing of his mum.

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> US Secretary of State Colin Powell told Congress on Wednesday the Bush administration "doesn't really see a need" for the Taiwan referendum question, and opposes action that would change the status quo in the region.
>
> In a testimony before the House International Relations Committee, Powell said: "Taiwan is a democratic place, if they choose to have a referendum, they can have a referendum. We've made clear to them, however, that we do not want to see these actions lead in any way to change in the situation."

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[illegible]1940[illegible]Edward F. Ricketts[illegible]6[illegible]

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MONTEREY, Calif. — Weary from writing “The Grapes of Wrath,” John Steinbeck set sail from here in 1940 with his pal, Edward F. Ricketts, on a sardine boat that ferried them on a six-week scientific and literary adventure around the Baja California peninsula.

The expedition, made famous by Steinbeck’s account, “The Log From the Sea of Cortez,” has long made scientists and armchair adventurers dream of re-creating the seafaring voyage of the novelist and the marine biologist who was the model for the character Doc in the novel “Cannery Row.”

“People have talked about doing this for decades,” said Edward F. Ricketts Jr., the octogenarian son of Monterey’s

famous marine biologist, who died in 1948. “But it’s never been done.”

Until now.

On March 11, 64 years to the day after Steinbeck and Ricketts set off in a chartered fishing vessel, four men and one woman plan to board a remarkably similar wooden fishing boat in Monterey and trace the same 4,000-mile route to the Sea of Cortes and back again.

The two-month trip will be chronicled by a Steinbeck Fellow, an academic position at San Jose State University held by freelance writer Jon Christensen. He plans to write a book about the expedition and create a daily Web log on the Internet for schoolchildren and others to follow.

The chief scientist will be William F. Gilly, a Stanford professor of marine science based at the Hopkins Marine Laboratory in Monterey.

As in the first expedition, Gilly and other scientists plan to survey the shallows for the 550 types of marine life listed by Ricketts in the original book he co-wrote with Steinbeck: “Sea of Cortez: A Leisurely Journal of Travel and Research.”

Using a recently rediscovered copy of Ricketts’ notes from the trip, the scientists plan to trace the precise route and make the same stops.

The idea is to compare their observations and freshly collected species of marine life with those plucked from the sea and logged 64 years ago.

They want to measure what has happened to the body of water — once so rich in marine life that explorer Jacques Cousteau called it the “aquarium of the world,” but one that

has suffered from decades of excessive fishing and pressure from unchecked tourist development around Cabo San Lucas.

“What do I hope to get out of it?” Gilly asked. “I hope we will learn what has stayed the same, what has been lost.

“I also hope it will be an odyssey,” he said, explaining his yearning to get out of the lab and into the field for exploration and discovery.

“Everything down there is mysterious and has many truths to reveal,” Gilly said. “I don’t know exactly where to look, so I want to look everywhere, especially around that next rocky point.”

The scientific survey will be more systematic than Ricketts’ original investigation and is to include two extra weeks to look for species, such as the jumbo Humboldt squid, not mentioned by Ricketts or Steinbeck. The squid, which can reach 100 pounds and 6 to 9 feet in length, now are the target of a major fishery in the Gulf of California, the formal name of the Sea of Cortes.

Gilly, a neurobiologist who has been studying squid, plans to go to spots in the Gulf of California where sperm whales congregate to feed on those mysterious tentacled creatures, which can change colors from white to deep red.

Unlike most modern-day scientific expeditions, this one will be operated on a shoestring budget. Yet like many adventures, it was conceived “over some beers” one evening, Gilly said.

He has been thinking about duplicating the voyage since the mid-1980s, but the idea took shape only after he linked

up with Frank Donahue, a semiretired shrimp fishermen with a boat and, as he puts it, “nothing better to do.”

The boat, docked in Morro Bay, is more functional than fancy. “It’s like going to a picnic in a dump truck,” Donahue said, greeting all comers with a barrage of jokes. He lives aboard the 73-foot Gus D, named after his late father, and is proud of the sturdy vessel he has taken all over the Pacific. “She can go 12,000 miles on a tank of gas. That would get you to Indonesia.”

Donahue has the diesel engine torn apart, pieces scattered everywhere in the midst of an overhaul. Other members of the expedition have been making regular trips to Morro Bay to help out, cleaning, painting and organizing. The boat needs to be hauled out of the water to have barnacles and algae scraped from its bottom before it motors up to Monterey to begin the trip.

Donahue expects everything to be ship-shape by the departure date. He also predicts the cruise will be easy for him — at least easier than fishing. “I don’t have to catch fish or sell ‘em. Or try to make a living. All I have to do is keep the ship running.”

With the trip’s $90,000 basic costs covered by grants from private donors and nonprofit groups, Gilly is trying to line up sponsors for food and amenities. North Coast Brewing Co. in Mendocino has pledged 50 to 70 cases of beer in keeping with the spirit of the original trip. The log mentions considerable sampling of cerveza, or beer, in Spanish.

Christensen, meanwhile, is working with the San Diego Natural History Museum’s binational education program to design a guide for teachers to help their students understand the significance of the trip and follow along.

Christensen plans to produce a daily log of the trip and use a satellite hookup to post it in English and in Spanish on http://www.seaofcortez.org or http://www.mardecortes.org .

The scientists also plan to bring groups of schoolchildren from La Paz, Loreto and Santa Rosalia on the Baja Peninsula to help them collect specimens, and perhaps learn a greater appreciation for marine life and the ocean.

Again, the idea is modeled after an experience by Ricketts and Steinbeck. In a passage from the log, Steinbeck wrote about boys who danced around them, quizzing them about what they were searching for in the tidal flats near La Paz.

“Once they know you are generally curious, they bring amazing things,” Steinbeck wrote. “Small boys were the best collectors in the world.”

With sharp eyes, the boys came up with ingenious ways to collect shrimp and other creatures without having their fingers pinched, he wrote. “[T]hen ten-centavo pieces began running out, and an increasing cloud of little boys brought us specimens.”

The expedition’s regular members plan to pick up visiting scientists for portions of the trip. But joining Gilly, Christensen and Donahue for the entire voyage will be Chuck Baxter, a retired Stanford University lecturer of marine science, and Nancy Burnett, a photographer and video documentary maker who co-founded the Monterey Bay Aquarium.

Although the expedition would be the first to follow in the historic wake of Steinbeck and Ricketts, the idea of another Sea of Cortes adventure surfaced in the original log.

“We have concluded,” Steinbeck wrote, “that all collecting trips to fairly unknown regions should be made twice: once to make mistakes and once to correct them.”

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4 habits of successful investors
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[illegible]Emory Thomas Jr

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Top traders don’t rely on exotic rituals, just the simple routines that ensure they always know how they stand and where they’re going.

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Emory Thomas Jr. is a veteran business writer and editor who has

worked for MSNBC, The Wall Street Journal and other media outlets. He was formerly vice president-product management for Business.com, a leading business information site. In 1992 and 1993, he won Gerald Loeb awards for his investigative reporting. He now lives in Seattle. | [illegible]

Search Barlett’s Quotations for the word “habit,” and more than 300 passages pop up. “Nothing is stronger than a habit,” intones the Roman poet Ovid. And according to

Aristotle, “Good habits formed at youth make all the difference.”

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For investors, do good habits formed early make all the difference?

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In a word, yes. Nothing is more important in investing than solid, well-thought-out planning. But all the planning in the world fails without the right follow-through — the right habits to serve and feed those plans.

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In search of the daily, monthly and yearly routines that are feeding the returns of top investors, we found four of the most helpful and potentially profitable.

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Keep a diary

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Bert Dohmen, founder of Dohmen Capital, has a single requirement of new hires to his Los Angeles investment firm: “Get yourself a spiral notebook for a dollar,” he tells them. “Keep a daily trading diary. Write down what happened in the market each day and what you did and thought.”

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The point of the exercise is twofold: to learn from your past mistakes and to force yourself to collect your thoughts.

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Jeffrey Saut, market strategist for Raymond James, says his own spiral notebooks date back to 1962. “Yep, I do refer back to them,” he insists.

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MSN Money columnist Jon Markman, who recently launched his own hedge fund, says he writes notes on every trade he makes. And the lessons are sometimes right at the surface, easy to harvest.

“For instance,” Markman told me in an e-mail exchange recently, “I made pretty good money on AMR Corp. (AMR, news, msgs) calls. When the stock (of the American Airlines parent) was at around $2, I bought calls, and I sold it when it got to $3.75 or so … was pretty happy with my gain.

“But then the news played out as I expected (flight attendants signed on to pact, company avoided bankruptcy) … and I didn’t buy it again, or buy more. I sold. I limited my gains even though the news trend/stock trend was with me. I flinched. I took profits when I should have been piling on.

“That is something to learn about yourself.”

Most investors don’t, and shouldn’t, trade every day, as Dohmen and Markman do. But that $1 spiral notebook is no less valuable to the less-active investor. The mood of the market, and our perspective on it, is constantly evolving — just like our views.

By recording those views now, you can judge them later, gaining important new insights.

Keep score

Clearly, it’s important to know how you’re performing as an investor. It sounds simple. But it isn’t.

Here are four key steps you have to take.

Step 1: Pick the right time frame. The pros tend to examine their holdings daily, or at least as often as weekly. Most of us don’t need to peek so often. In fact, many investment advisers insist it’s a grave mistake to evaluate your investments more than once a month.

“Daily? That’s about the worst habit you could have,” says Ed Osborn, principal in the San Francisco investment firm of Bingham, Osborn & Scarborough. “Quarterly would be good. Yearly would be fine, probably.”

If you watch those numbers tick every day, you’ll be overwhelmed by the noise. Pretty soon, you’ll be taking action based on that noise. And the result is likely to be as messy as the noise itself.

Step 2: Be brutally honest. Take stock of all your accounts together, and evaluate them as a whole. Osborn finds that

many of his clients tend to examine only their stock holdings or only their retirement accounts. It’s important to put all your investments in one big basket and examine their performance as a whole. And if you’re taking money out of your investments for spending, make all your withdrawals from a single account; otherwise, it’s too hard to track performance.

[illegible]

Meantime, remember that the name of the game is appreciation. It’s not good enough to see that five of your seven stock or mutual-fund holdings gained this quarter. If the other two performed poorly enough, you may have lost money overall.

Step 3: Pick the right yardstick. How do you decide whether you’re winning or losing? Warren Buffett’s two rules of investment come to mind: Rule No. 1: Don’t lose money. Rule No. 2: Don’t forget Rule No. 1. But it’s not that simple, of course. You need to pick an appropriate yardstick to measure against. Some advisers suggest aiming for a particular percentage gain — say, 6% a year for your portfolio overall.

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That’s fine, but you have to realize that in certain market years, even if your investments are truly diversified, your portfolio won’t gain that much. In fact, it may take you a decade or longer to know if you’re really meeting your long-term performance goals. Osborn suggests measuring your portfolio performance primarily against risk metrics. “Don’t let it move up or down more than 5% in any quarter,” he says. By limiting the risk, you can come closer to

guaranteeing a certain standard of historical performance, he argues.

5%

Step 4: Start keeping score. With the right time frame, a full data set and the right yardstick in place, you can begin keeping score. There are countless ways to do it. For many, that spiral notebook may work fine.

But for a more sophisticated view, use software such as Microsoft's Money or Intuit's Quicken to help you slice and dice the data. (Editor's note: Microsoft is the parent of MSN Money.) This Web site's Portfolio Manager is another good tool. The key is to pick a system and stick with it — and sooner rather than later.

Read extensively but selectively

The world is filled with two types of readers — the voracious and the selective. Most of us need to split the difference.

Mark Greenberg, manager of the Invesco Leisure fund (FLISX), is voracious. He wakes every morning in Denver at about 5 a.m. to read the two local papers and the New York Times. He skims the Wall Street Journal and the Financial Times at his office (finishing them, cover-to-cover, at night). He reads trade magazines in bed at night and hauls up to 20 pounds of reading material on every plane flight. "I'm

omnivorous,” he says. “I think everything’s a learning opportunity.”

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Let’s face it. Most of us can’t — or won’t — go at that pace, and for good reason. Information overload can mislead us into believing we know more than we do. As Osborn, the financial adviser, says, “No matter how much you read, you’ll never catch up to what the market knows.”

That said, every investor needs a reading routine. Like the scorekeeping routine above, it needs to be orderly, rational and consistent.

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Four suggestions for setting that routine:

First and foremost, set aside a consistent amount of time each day for reading, and make a conscious decision about what’s most important for you to read. It’s all too easy to read whatever is in front of us, much of which is useless.

1. [illegible]

Read enough to know where the market is going in general. “Most importantly,” says Saut, the investment strategist for Raymond James, “you need to have framed the primary trend of the market.” At the very least, you’ll need to know how the market is performing in order to measure your own portfolio’s performance.

2. [illegible]

Read about your own investments. A mutual fund you own changes managers, or a stock you own is acquired. We need

to know the big changes to manage our investments smartly.

3. [illegible]

Don’t waste time on the small stuff. A big up day or down day on Wall Street shouldn’t distract you. One new economic data point, no matter how much it affects stock or bond values the day it’s released, shouldn’t be allowed to force your hand. It’s better off ignored.

4. [illegible]

Take stock once a year

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Once every year, set aside a significant amount of time to evaluate your investment strategies. This isn’t about keeping score. It’s about examining the big picture.

[illegible]

Brett Steenbarger, a psychologist and day trader who studies the effects of emotion on the stock market, uses tax time for his big, yearly investment review.

“I do my own income taxes,” he told me recently. “I have hundreds of trades per year, and I don’t use any software to do my taxes. I go over every single trade over the year, to analyze what I did right and wrong, to try to look for the big themes.”

Be forewarned: This approach can be really humbling.

Two years ago, Steenbarger found that while most of his trades had been profitable, a “relative handful” was very

costly, dragging down the overall portfolio. So he adjusted, putting in place some personal rules for setting stops that would limit the losses he could take in any single investment.

So when is the best time for this annual habit? Tax time, New Year’s and early fall/late summer tend to work best for most.

But as with any of these four key habits, as Osborn says, “The best time to do it is whatever time you’re actually going to do it.”

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German Doctors Transplant 8 Vital Organs at Once

Fri 6 February, 2004 17:23
By Brian Swint

BERLIN (Reuters) - German doctors have completed Europe's first simultaneous transplant of eight vital organs but only announced the results on Friday after waiting to make sure it succeeded.

Andreas Paschner, a doctor at Berlin's Charite hospital, said the daring operation in late November had been attempted no more than twice before, in the United States.

A secretary identified only as Stefanie H., 36, got a new liver, pancreas, stomach, duodenum, small intestine, partial large intestine, kidney and adrenal gland in surgery that lasted 12 hours.

"The patient is recovering well," said Paschner, one of a team of four doctors to perform the operation.

"The patient is on a more or less normal diet," he said. "Her intestinal disorder is gone, but she will experience problems all transplant patients typically have."

All of the transplanted organs are now fully functional, and the woman may be able to return to work in about six months.

She suffered for more than 20 years from Crohn's disease, a severe variant of inflammatory bowel disease in which the body's immune system causes intestines to swell along the digestive tract. She had been in hospital since November 2001.

The operation became necessary after her liver and pancreas failed due to long term intravenous feeding while

she was waiting for a small intestine transplant. She fell into a coma.

Doctors found her entire stomach region had hardened from abscesses, bleeding and the build-up of scar tissue, a condition doctors call a “frozen abdomen,” from more than 20 operations. “This operation was last possible treatment for a patient who suffered from an intestinal disorder with severe and life-threatening complications,” Paschner said.

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- □□□□ Cold & dressed jelly fish
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- Cold shredded potato with garlic □□□□□
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- □□□□ Cold and dressed hot pickled mustard tuber with sauce
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Plant Profile for Houttuynia cordata Thunb□

http://plants.usda.gov/cgi_bin/plant_profile.cgi?symbol=HOCO3

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1. Dlog

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2. BlogMX

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3. Blosxom

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4. Movable Type

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□□□Peter Martin

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> There are three words in the English language that end in -gry. One is hungry and another is angry. What is the third word? Everyone uses this word every day; everyone knows what it means and what it stands for. If you’ve listened closely, I’ve already told you what the word is.

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> At the first gesture of morning, flies began stirring. Inman’s eyes and the long wound at his neck drew them, and the sound of their wings and the touch of their feet were soon more potent than a yardful of roosters in rousing a man to wake. So he came to yet one more day in the hospital ward. He flapped the flies away with his hands and looked across the foot of his bed to an open triple-hung window. Ordinarily he could see to the red road and the oak tree and the low brick wall. And beyond them to a sweep of fields and flat

piney woods that stretched to the western horizon. The view was a long one for the flatlands, the hospital having been built on the only swell within eyeshot. But it was too early yet for a vista. The window might as well have been painted grey.

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Mark Twain's Frog Makes Rare Appearance
By DON THOMPSON, Associated Press Writer

SACRAMENTO, Calif. - A threatened species of frog thought to have inspired Mark Twain's tale of "The Celebrated Jumping Frog of Calaveras County" has been rediscovered in the county, 34 years after the frogs were last seen in the area.

The children of a cattle rancher found the California red-legged frogs while playing around watering holes on their property, wildlife officials said Tuesday. They asked that the location not be disclosed as researchers work to protect the frogs and their habitat.

A Fish and Wildlife Service biologist verified the discovery,

locating one male and two female frogs in October. The last such sighting in Calaveras County was in 1969.

Robert Stack of the Jumping Frog Research Institute in Angels Camp,

about 60 miles southeast of Sacramento, joked that the frogs are direct descendants of "Dan'l Webster" — Twain's fictional frog.

The wildlife service is offering to work with nearby property owners

to see if the frogs survive there as well. Stack is seeking grants to develop a captive-breeding program to protect a

population he estimates at 10-20 frogs, by nurturing some of the eggs next year. He hopes to use the remnant frogs to one day repopulate the county.

As a threatened species, the frog enjoys protections that have caused

some trepidation for property owners and developers who fear intrusive government oversight or a drop in land values. The wildlife service removed Calaveras County from its protection plan for the species after local officials objected.

Warren “Buck” King, the unofficial “Frogtown mayor” who managed the

Calaveras County Fair and Frog Jumping Jubilee until he retired this year, led local opposition to Stack’s reintroduction plans. He feared it would force landowners to kill off the competing bullfrog, brought in from east of the Rockies more than a century ago after San Franciscans devoured much of the state’s red-legged frog population.

The bullfrogs since have taken over much of the red-legged frog’s

habitat, and are the preferred frog used at the annual jumping contest named after Twain’s fictional 1865 challenge in the Angels Camp Hotel bar. Twain frequented the bar while he lived in nearby Jackass Hill.

Most remaining red-legged frogs are along California’s north-central

coast.

On the Net:

www.jumpingfrog.org

www.frogtown.org

www.r1.fws.gov/news

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Hello, everybody!

Since Lara and I returned from China in January, we’ve been settling back into American routines. This time around, the adjustment was much easier for both of us. I think we’ve gotten to the point where we feel comfortable in both places now. We immediately started back into weekly Chinese school in Tucson, and generally kept busy.

As usual, the miserable economy combined with our very rural location (on my parents’ ranch in rural SE Arizona) has made it very difficult for me to find work. So, I sat down and took a good, hard look at where I’ve been and where I want to go, careerwise. And came to the surprising conclusion that what I’d really like to do is become a Foreign Service Officer. Having been on the side of so many students trying to breach the barriers to get visas to the U.S., it’s a bit strange to imagine sitting on the other side of the desk and

no doubt being required to turn down lots of visa applicants. But on the other hand, the idea of having the opportunity to serve my country, perhaps make a real difference helping people, and live in interesting places around the world with government support and an American income just overwhelms the negatives in my mind.

Entry to the Foreign Service is a difficult and drawn out process, and I am just in the initial stages now. I took the written exam in April. The results won't come out until late July. If I pass, then the next step will be to travel to San Francisco or Chicago for the Oral Assessment. If I pass that, then there's the Medical and Security Clearances. In a best case scenario, I might be hired sometime early next spring. If I fail in the written or oral exams, then I'll have to start all over again next spring.

I am really excited about the chance to live in exotic places all over the world, and I think Lara will do very well with that sort of lifestyle, too. She's really a very easy kid to take along and do things with, and adapts easily to new situations. I have been told, informally, that there's a good chance that our first posting might be to China, since my Chinese ability has reached an acceptable level. After that, who knows?

In the meantime, Lara and I are enjoying life in Arizona. A few weeks ago, a dream project fell into my lap. An east coast software company found my resume in a web search, and contracted with me to develop documentation for their webbased financial modeling application. I work my own hours, from my own home office, doing work that I really enjoy!

Lara's just finishing up her 2nd grade homeschooling year this month. She enjoys the flexibility of homeschooling, but

misses some of the fun of having lots of other kids to play with. However, she doesn’t miss being teased or treated unkindly by the other kids, so all in all, homeschooling is working well for us all. None of us miss the grueling bus rides she had to endure traveling 25 miles each way to the nearest public school.

I’ve been writing to you all erratically, since 1998, when we were first preparing to move to China, and had no idea what to expect. Our China adventure has been such a wonderful experience for us both, helping me especially to broaden my outlook and attitudes about culture, career, personal priorities, relationships and so many other things. Heck, I even learned how to cook some wonderful Chinese dishes! When I look back to my pre-China life, the difference amazes me. Life just keeps getting better, and definitely more interesting.

I think that one of the things I am most pleased about, though, is that I have been able to influence and encourage others to create their own China adventure. What a pleasure it has been, to read other China diaries, and see China through their eyes!

At this point, I don’t know when we’ll be able to return to China. I am sure that we will. I’ll continue to post occasionally to this list, whenever Yahoo threatens to delete my group, or whenever something noteworthy occurs in our lives. Please, please, for those of you planning your own adventures in life, be sure to invite me to join YOUR list, too!

Yours,

Lisa McClure

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[3] [illegible]Frederick Brooks[illegible]The Mythical Man-Month[illegible]”[illegible]”[illegible]12[illegible]4[illegible]Brooks[illegible]

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[11] Y Combinator[illegible]Paul Gramham[illegible]2005[illegible]

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[3] Scheme[illegible]LISP[illegible]1975[illegible]MIT[illegible]

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[5] [illegible]segfault[illegible]segmentation fault[illegible]

[6] [illegible]Four Yorkshiremen[illegible],[illegible]At Last the 1948 Show[illegible]70[illegible]

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[14] □□http://www.sigcse.org/topics/javataskforce/java-task-force.pdf□

[15] J2EE□Java2□□□□□Java 2 Platform,Enterprise Edition□□□
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[illegible]Joel Spolsky

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[2] Eclipse[illegible]Java[illegible]IDE[illegible]IBM[illegible]2004[illegible]

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[8] [illegible]·[illegible]1914.11.8 ~ 2005.5.13[illegible]George Dantzig[illegible]linear programming[illegible]

[9] Mac[illegible]Macintosh[illegible]

[10] WWDC[illegible]Apple Worldwide Developers Conference[illegible]WWDC 2008[illegible]6[illegible]9[illegible]—13[illegible]

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Joel on Software

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1.

Joel on Software

> Further Thoughts on Diverse and Occasionally Related Matters That Will Prove of Interest to Software Developers, Designers, and Managers, and to Those Who, Whether by Good Fortune or Ill Luck, Work with Them in Some Capacity

Joel

2.

”Work with Them”
Them ”Diverse and Occasionally Related Matters”
pongba

> 1. Them Software Developers, Designers, and Managers work with
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3.

Tim

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Software Developers, Designers, and Managers

6.”in Some Capacity”capacity
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2001capacityURW
Use the right word,A modern guide to synonyms by editors of the reader’s digest,1971”He is connected with the government in some capacity”
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goverment in several capacities/[illegible]”[illegible] some[illegible]”[illegible]”[illegible]Capacity[illegible]”[illegible]/[illegible]/[illegible]/[illegible]/[illegible]”[illegible]”Software Developers, Designers, and Managers”[illegible]”in Some Capacity”[illegible]”[illegible]”[illegible]

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Kind regards,
Tim

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[illegible]dannie[illegible]”in Some Capacity”[illegible]

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“capacity”

here, “in some capacity” = “in some way” and actually is not really necessary to the sentence

6.

1.

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> Further Thoughts on Diverse and Occasionally Related Matters That Will Prove of Interest to Software Developers, Designers, and Managers, and to Those Who, Whether by Good Fortune or Ill Luck, Work with Them in Some Capacity

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[3] □□□”A long time ago in a galaxy far, far away

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1.

If you were alone, you would cut yourself in two, so that one part would shape the other.

[illegible]

[illegible]Elias Canetti, The Human Province (1973)

2.

Looking in the mirror is like asking stranger for directions.

[illegible]

[illegible]Ronald Koertge, 12 Photographs of Yellowstone (1976)

3.

My fake plants died, because I did not pretend to water them.

[illegible]

[illegible]Mitch Hedberg, Mitch All Together (2003)

4.

In the struggle between yourself and the world, second the world.

[illegible]

[illegible]Franz Kafka, Unpublished Works 1916-1918

5.

Sometimes everything seems so… OH, I don’t know

[illegible]……[illegible]

[illegible]Joe Brainard, Poem (1971)

6.

Without a sense of identity, there can be no real struggle.

[illegible]

[illegible]Paulo Freire, Pedagogy of the Oppressed (1970)

7.

Pleasure may come from illusion, but happiness can come only of reality.

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□□□Nicolas Chamfort

8.

We must travel in the direction of our fear.

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□□□John Berryman

9.

I want to keep smashing myself until I am whole.

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□□□Elias Canetti, The Human Province (1973)

10.

In the morning, there is meaning.

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□□□Gertrude Stein, Tender Buttons (1914)

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Just A Kiss □ MV

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Kim Laughton [illegible]

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* Polo□□□□30-60□/□   * Armani□□□□,100-300□/□   * □□□400-2000□/□   * Coach□□□□200-400□/□   * UGG□□□□120□/□ | * □□□/□□□□□□□□+□□+□□□□5-8□/□ | * □□□□□□10-20□/□

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□□·□□□Brigitte Bardot□

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Jacob Holdt [illegible]

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25. Jacob Holdt[illegible]1970[illegible]”[illegible]”[illegible]
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[illegible]Alex Hofford[illegible]

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42. [illegible]”[illegible]”[illegible]

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57. [illegible]”[illegible]”[illegible]

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2. [illegible]

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5. [illegible]”[illegible]”[illegible]

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6. 1894[illegible]

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7. [illegible]

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|image11|

8. 1894[illegible]7[illegible]25[illegible]——[illegible]

|image12|

9. [illegible]”[illegible]”[illegible]

|image13|

10. [illegible]9[illegible]15[illegible]”[illegible]”[illegible]J.W.—to stop immediately)[illegible]”[illegible]”[illegible]L.P.—to anchor)[illegible]

|image14|

11. [illegible]1116[illegible]

|image15|

12. [illegible]

|image16|

13. [illegible]”[illegible]”[illegible]

|image17|

14. “[illegible]”[illegible]”[illegible]”[illegible]rather die than obey Japanese orders[illegible]

|image18|

15. 13[illegible]00[illegible]

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16. [illegible]

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17. [illegible]

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18. [illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]”[illegible]1116[illegible]241[illegible]2[illegible]2[illegible]245[illegible]871[illegible]74[illegible]12[illegible]

|image22|

19. 6[illegible]8[illegible]1[illegible]

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20. [illegible]9[illegible]15[illegible]

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1978[illegible]·[illegible]”[illegible]”[illegible]·G·[illegible]Professor Alexander G. Achenbach[illegible]”[illegible]”[illegible]”[illegible]”[illegible]

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10. [illegible]

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16. [illegible]

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A. [illegible]·[illegible]·[illegible]1967[illegible]

B. [illegible]"[illegible]"[illegible]

C. [illegible]1968[illegible]

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2. 1978

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3. 1980[illegible]

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9. 1984[illegible]

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or_the_victim.html □□: □□□

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[illegible]Lyndon Wade[illegible]107[illegible]Room 107[illegible]

Lyndon Wade[illegible]Motel[illegible]107[illegible]12[illegible]12[illegible]

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> **107[illegible]12[illegible]**
>
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> Room 107: Twelves stories on the ground level.
>
> This is where people come and leave: leave wet towels on the bathroom floor, leave half-full beer bottles on the nightstand, leave the bed unmade, hair on the toilet seat, stains on the ceiling, glitter in the carpet, holes in the wall, leave their lives, a mess for the morning maid. And after an hour, a day, a month, they leave all that they have left.
>
> And you check in.

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[illegible]

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[illegible]:
http://www.ruanyifeng.com/blog/2008/12/zhang_xueliang_and_echo_chen_in_hsinchu_taiwan.html [illegible]: [illegible]

[illegible]: [illegible] http://www.me115.com

Don’t Stop Thinking About Tomorrow —— 2008 [illegible]

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[illegible]125000[illegible]

[illegible]CNN[illegible]

[illegible]1992[illegible]——Don’t Stop Thinking About Tomorrow [illegible]

> If you wake and you don’t want to smile
> Just you wait, wait a little while
> [illegible]
> [illegible]
> Open your eyes and look at the day
> You might see things in a different way
> [illegible]
> [illegible]
> **Don’t stop thinking about tomorrow**
> **Don’t stop, it’ll soon be here…**
> **[illegible]**
> **[illegible]……**

[illegible]

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image0

1. [illegible]”[illegible]”

image1

2. [illegible]

image2

3. “[illegible]”[illegible]”[illegible]”

image3

4. [illegible]

image4

5. [illegible]Harlem[illegible]

image5

6. [illegible]

image6

7. [illegible]12.5[illegible]Jesse Jackson[illegible]

image7

8. [illegible]

image8

9. [illegible]

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10. [illegible]

image10

11. [illegible]13%[illegible]

image11

12. [illegible]

image12

13. [illegible]

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14. [illegible]

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image15

16. [illegible]

image16

17. [illegible]”[illegible]”[illegible]60[illegible]2[illegible]

image17

18. [illegible]Harlem[illegible]

image18

19. [illegible]5[illegible]

image19

20. [illegible]CNN[illegible]

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[illegible]: http://www.ruanyifeng.com/blog/2008/11/dont_stop_thinking_about_tomorrow.html [illegible]: [illegible]

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ruanyifeng.com

Callie Shell[illegible]

2004[illegible]·[illegible]John Kelly[illegible]·[illegible]Barack Hussein Obama[illegible]”[illegible]”[illegible]I do not know. I just have a feeling about him. I think he will be important down the road.[illegible]

[illegible]The Digital Journalist[illegible]

[illegible]

[illegible]

[illegible]Callie Shell

[illegible]

1.

|image0|

[illegible]5[illegible]19[illegible]”Really, we’re pretty sure this time”[illegible]

2.

|image1|

[illegible]2006[illegible]10[illegible]20[illegible]

3.

|image2|

[illegible]”[illegible]”

4.

|image3|

2008[illegible]1[illegible]21[illegible]·[illegible]”[illegible]”[illegible]

5.

|image4|

[illegible]

6.

|image5|

2007[illegible]11[illegible]7[illegible]

7.

|image6|

□2006□□
□□□□□□□□□□□□□□□□□2007□□2008□□□□□□□□□□2007□11□7□□□
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|image10|

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□□Malia□Sasha□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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2007[illegible]7[illegible]23[illegible]8[illegible]

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|image12|

2008[illegible]5[illegible]5[illegible]

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|image13|

2008[illegible]1[illegible]8[illegible]Nashua[illegible]”[illegible]”

15.

|image14|

2008[illegible]1[illegible]6[illegible]

16.

|image15|

2008[illegible]1[illegible]6[illegible]

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|image16|

2008[illegible]1[illegible]22[illegible]

18.

|image17|

2008[illegible]4[illegible]19[illegible]Downingtown[illegible]

19.

|image18|

2008[illegible]4[illegible]5[illegible]

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|image19|

2008[illegible]3[illegible]1[illegible]

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2008[illegible]7[illegible]4[illegible]

22.

|image21|

2008[illegible]1[illegible]8[illegible]2008[illegible]

23.

|image22|

2008[illegible]1[illegible]1[illegible]

24.

|image23|

2008[illegible]4[illegible]21[illegible]

25.

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2008[illegible]8[illegible]7[illegible]St. Paul[illegible]

26.

|image25|

2008[illegible]7[illegible]24[illegible]

27.

|image26|

2008[illegible]8[illegible]28[illegible]

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Note

[illegible]: http://www.ruanyifeng.com/blog/2008/10/travels_with_bara

ck_obama.html □□: □□□

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[illegible]levimn

2008.4.19

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[illegible]

[illegible]5[illegible]

[illegible]

1.

2002[illegible]51[illegible]

2.

2003[illegible]

[illegible]

[illegible] || [illegible]

[illegible]……[illegible]……[illegible]”[illegible]”……

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[illegible]10[illegible]30[illegible]

[illegible]03[illegible]2-4[illegible]

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[illegible]CCTV[illegible]304[illegible]2-3[illegible]

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[illegible]55[illegible]10[illegible]

[illegible]06[illegible]7[illegible]5[illegible]55[illegible]

[illegible]5[illegible]18[illegible]28[illegible]

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Note

[illegible]:
http://www.ruanyifeng.com/blog/2008/09/missing_mother_5_year_fight_against_brain_tumor.html [illegible]: [illegible]

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* [illegible] Selexyz Dominicanen[illegible]

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[illegible]: http://www.ruanyifeng.com/blog/2008/07/a_private_library_in_milan.html [illegible]: [illegible]

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ruanyifeng.com

[illegible][illegible]——[illegible][illegible]

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> [illegible]L.E.Hudec[illegible]30[illegible]1893[illegible]1914[illegible]1916[illegible]1918[illegible]30[illegible]60[illegible]1947[illegible]1958[illegible]

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□□□□□Nick Veasey□□□□X□□□□□□□□□□□□□□□□□□□

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[illegible]2006[illegible]12[illegible]NNNNN[illegible]

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[illegible]8-9[illegible]

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[illegible]DVD VCD[illegible]DVD[illegible]3 [illegible]behead[illegible]DVD[illegible]12[illegible]1[illegible]DVD[illegible]**[illegible]3[illegible]

[illegible]200[illegible]!

[illegible]u[illegible]256[illegible]2004[illegible]100 USD[illegible]!

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[illegible]60[illegible]70[illegible]20[illegible]30[illegible]1[illegible]

[illegible]Charicar[illegible]4[illegible]4[illegible]

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[illegible]1[illegible]3[illegible]

11.

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[illegible]2000[illegible]……[illegible]”[illegible]——[illegible]”[illegible]

[illegible]——[illegible]——28[illegible]——[illegible]

12.

[illegible]passport[illegible]copy[illegible],[illegible],[illegible]

13.

[illegible]? [illegible]……[illegible],[illegible]!

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14.

[illegible]

[illegible]”[illegible]Allah O Akbar[illegible]”

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2005[illegible]12[illegible]·[illegible]
[illegible]Walter Schels[illegible]

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> [illegible]26[illegible]
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> [illegible]

[illegible]

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1. Edelgard Clavey, 67[illegible]

□□□□□2003□12□5□

Edelgard[illegible]

[|Edelgard Clavey|]

□□□□□2004□1□4□

“[illegible]”

2. Maria Hai-Anh Tuyet Cao, 52□

[|Maria Hai-Anh Tuyet Cao|]

□□□□□2003□12□5□

Maria□□”[illegible]”

[|Maria Hai-Anh Tuyet Cao Life Before Death|]

□□□□□2004□2□15□

Maria[illegible]

3. Elly Genthe, 83□

[|Elly Genthe Life Before Death|]

□□□□□2002□12□31□

Elly Genthe[illegible]

[illegible]

|Elly Genthe Life Before Death|

[illegible]2003[illegible]1[illegible]11[illegible]

[illegible]”[illegible]”

4. Beate Taube, 44[illegible]

|Beate Taube Life Before Death|

[illegible]2004[illegible]1[illegible]16[illegible]

Beate[illegible]

|Beate Taube Life Before Death|

[illegible]2004[illegible]3[illegible]10[illegible]

Beate[illegible]——[illegible]

5. Rita Schoffler, 62[illegible]

|Rita Schoffler Life Before Death|

[illegible]2004[illegible]2[illegible]17[illegible]

[illegible]Rita[illegible]17[illegible]

|Rita Schoffler Life Before Death|

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6. Heiner Schmitz, 52□

|Heiner Schmitz Life Before Death|

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|Heiner Schmitz Life Before Death|

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7. Gerda Strech, 68□

|Gerda Strech Life Before Death|

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8. Roswitha Pacholleck, 47□

|Roswitha Pacholleck Life Before Death|

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|Roswitha Pacholleck Life Before Death|

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9. Peter Kelling, 64□

|Peter Kelling Life Before Death|

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|Peter Kelling Life Before Death|

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□Peter Kelling□

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10. Barbara Grone, 51[illegible]

[|Barbara Gröne|]

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Barbara[illegible]

[|Barbara Gröne Life Before Death|]

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11. Klara Behrens, 83[illegible]

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image36

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image38

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[illegible]: http://www.ruanyifeng.com/blog/2008/02/an_emergency_doctor_s_notes.html [illegible]: [illegible]

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2006[illegible]3[illegible]26[illegible]

[illegible]2000[illegible]11[illegible]3[illegible]21[illegible]10[illegible]10[illegible]6cm[illegible]

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Note

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35. [illegible]”200[illegible]

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36. [illegible] [illegible]

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37. [illegible] [illegible]

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38. [illegible]——2007[illegible]

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40. [illegible]”[illegible]” [illegible]

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43[illegible]2007[illegible]”[illegible]”[illegible]”[illegible]——[illegible]”[illegible]2007[illegible]6[illegible]29[illegible]

44[illegible]2007[illegible]”[illegible]”[illegible]

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46. [illegible]12[illegible]2[illegible]

47.2007[illegible]——[illegible]100[illegible]11[illegible]4[illegible]11[illegible]14[illegible]

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62.11[illegible]15[illegible]

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77.”[illegible]”[illegible]
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82. [illegible]
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93.2007[illegible]10[illegible]3[illegible]

94.2007[illegible]1[illegible]29[illegible]7.6[illegible]3[illegible]

95. [illegible]3584[illegible]

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96. [illegible]107[illegible]

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97.[illegible]

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2. [illegible]

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3. [illegible]

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4. [illegible]”[illegible]”[illegible]

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5. [illegible]

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Beijing’s Olympic Quest: Turn Smoggy Sky Blue

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BEIJING — Every day, monitoring stations across the city measure air

pollution to determine if the skies above this national capital can officially be designated blue. It is not an act of whimsy: with Beijing preparing to play host to the 2008 Olympic Games, the official Blue Sky ratings are the city’s own measuring stick for how well it is cleaning up its polluted air.

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Thursday did not bring good news. The gray, acrid skies rated an eye-reddening 421 on a scale of 500, with 500 being the worst. Friday rated 500. Both days far exceeded pollution levels deemed safe by the World Health Organization. In Beijing, officials warned residents to stay indoors until Saturday, but residents here are accustomed to breathing foul air. One man flew a kite in Tiananmen Square.

[illegible]421[illegible]500[illegible]500[illegible]

For Beijing officials, Thursday was especially depressing because the city was hoping to celebrate an environmental victory. In recent years, Beijing has steadily increased its Blue Sky days. The city needs one more, defined as scoring below 101, to reach its goal of 245 Blue Sky days this year. These improving ratings are how Beijing hopes to reassure the world that Olympic athletes will not be gasping for breath next August.

[illegible]101[illegible]245[illegible]8[illegible]

“We’re definitely hoping for the best,” said Jon Kolb, a member of the Canadian Olympic Committee, “but preparing for the worst.”

“[illegible]”[illegible]Jon Kolb[illegible]”[illegible]”

For the world’s Olympians, Beijing’s air is a performance issue. The concern is that respiratory problems could impede athletic performance and prevent records from being broken. For the city’s estimated 12 million residents, pollution is an inescapable health and quality-of-life issue. Skepticism about the validity of the Blue Sky ratings is common. Moreover, the concern is whether the city can clean itself up long after the Games are over.

[illegible]1200[illegible]

Beijing has long ranked as one of the world’s most polluted cities. To win the Games, Beijing promised a “Green Olympics” and undertook environmental initiatives now considered models for the rest of the country. But greening Beijing has not meant slowing it down. Officials also have encouraged an astonishing urbanization boom that has made environmental gains seem modest, if not illusory.

[illegible]

Beijing is like an athlete trying to get into shape by walking on a treadmill yet eating double cheeseburgers at the same time. Polluting factories have been moved or closed. But auto emissions are rising as the city adds up to 1,200 new cars and trucks every day. Dirty, coal-burning furnaces have been replaced, lowering the city’s sulfur dioxide emissions. But fine-particle pollution has been exacerbated by a staggering citywide construction binge that shows no signs of letting up.

[illegible]

China’s unsolved riddle is how to reconcile fast economic growth with environmental protection. But Beijing’s Olympic deadline means the city needs an immediate answer. The ruling Communist Party envisions the Games as a public relations showcase and is leaving no detail untended. Scientists are cross-breeding chrysanthemums to ensure that flowers bloom in August.

[illegible]8[illegible]

Now Beijing is also going to try to manipulate air quality. For months, scientists have treated the city like a laboratory, testing wind patterns and atmospheric structure, while pinpointing local and regional pollution sources. Olympics contingency plans have been approved for Beijing and surrounding provinces. Details are not public, but officials have discussed shutting down factories and restricting traffic during the Games.

[illegible]

“We are determined to ensure that the air conditions meet the necessary standards in August 2008,” Liu Qi, president of the Beijing Organizing Committee for the Games, told the International Olympic Committee’s executive board this month.

“[illegible]2008[illegible]8[illegible]”[illegible]

Beijing residents overwhelmingly support the Games and take for granted that officials will do what is necessary to ensure clean air. Last August, the city removed a million cars from roads during a four-day test intended to gauge pollution and traffic. But people also know that any emergency measures have a limited shelf life.

[illegible]4[illegible]100[illegible]

“Yes, I heard about it,” said an engineer at one factory that may temporarily be shut down. He refused to identify himself because he was criticizing government policy. “It is like you invite some guests to your home, and hide all your children underneath the bed to make the house look nicer. If all the polluting factories are shut down for the Olympics, there will be a major pollution outbreak afterward when all the factories restart, right?”

“[illegible]”[illegible]”[illegible]”

Beijing officials say the Olympics will have a lasting and positive environmental legacy on the city. International Olympic Committee officials acknowledge that air quality remains a problem, but they say the air would be far worse without improvements made for the Games. “The general trend is improvement,” said Simon Balderstone, an environmental adviser for the I.O.C.

[illegible]”[illegible]”Simon Balderstone [illegible]

But pollution is expected to remain a major, long-term challenge as Beijing’s population may eventually exceed 20 million people. Scientists also say the city will never be able to clean itself up if surrounding industrial provinces are not cleaned up, too.

[illegible]2000[illegible]

Blue skies, in other words, will remain a challenge.

[illegible]

Growth Offsets Gains

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In July 2001, Beijing won the right to serve as the host of the 2008 Games, a victory that carried a touch of vindication. Eight years earlier, the International Olympic Committee had rejected Beijing’s first bid for a variety of reasons, including the city’s polluted environment.

2001[illegible]7[illegible]2008[illegible]8[illegible]2000[illegible]

This time, Beijing organizers promised a “Green Olympics.”

[illegible]”[illegible]”[illegible]

“Beijing has come a long way since its last bid in 1993,” said Wang Wei, a senior Beijing Olympics official, speaking at the city’s final Olympic presentation in Moscow in 2001. “The city has taken giant steps to fight pollution caused by industrialization and economic growth.”

“[illegible]1993[illegible]”[illegible]2001[illegible]”[illegible]”

Beijing’s environmental program had begun in 1997 and became the centerpiece of the city’s Olympic environmental commitments. Urban sewage treatment has doubled since 2001. Use of natural gas has jumped 38-fold as city officials have converted thousands of dirty coal-fired furnaces and boilers. Factories have been shut down or relocated to the suburbs. Millions of trees have been planted.

[illegible]1997[illegible]2001[illegible]38[illegible]

“For many years, the city had few environmental rules,” said Mr. Balderstone, the I.O.C. environmental adviser, who regularly consults with Beijing officials. “It’s like they are playing catch-up on a lot of these measures.”

“[illegible]”Balderstone[illegible]”[illegible]”

But Beijing’s Olympic bid also intensified a stunning urban boom. Since 2000, Beijing’s gross domestic product has jumped 144 percent, according to Beijing Olympic officials. New office buildings and apartment towers seem to rise every week. More than 1.7 billion square feet of new construction has been started since 2002, most of it unrelated to the Olympics.

[illegible]2000[illegible]GDP[illegible]144%[illegible]2002[illegible]17[illegible]

Cleaner Coal, but More of It

[illegible]

The emerging cityscape is often dazzling, but also energy intensive and polluting. Beijing now requires factories and power plants to burn cleaner, low-sulfur coal, but it had also hoped to reduce overall coal consumption in the years before the Olympics. Instead, the city’s coal consumption peaked at 30 million tons last year. Beijing also has only one office tower that qualifies under international and national energy efficiency standards as a green building. Construction, meanwhile, is expected to continue at a rapid pace.

[illegible]

3000[illegible]”[illegible]”[illegible]

“I think there will be another 20 to 30 years of urbanization,” said Wu Weijia, a professor at Tsinghua University’s Institute of Urban Studies. “The scale of construction in Beijing will not slow down after the Olympics.”

“[illegible]20[illegible]30[illegible]”[illegible]”[illegible]”

Meanwhile, an explosion of car ownership has wrought gridlocked traffic and a halo of auto fumes. Beijing now has more than three million vehicles and is adding more than 400,000 new cars and trucks each year. The city’s reliance on cars and trucks leaves its air with few reprieves. As in other Chinese cities, heavy trucks can only enter at night. Diesel exhaust is so severe that Beijing’s levels of PM 2.5, a tiny particulate deemed potentially harmful to health, is highest between midnight and 3 a.m., according to one survey.

[illegible]300[illegible]40[illegible]PM 2.5——[illegible]——[illegible]

Beijing is fighting auto pollution by instituting China’s highest vehicle emissions standards. Nearly 79,000 new taxis with lower emissions have replaced older, outdated models. But Beijing has been unwilling to discourage private car ownership by instituting exorbitant fees as Shanghai has done. Depending on the car, license plates in Shanghai can cost as much as $7,000; as a result, Shanghai adds about one-fourth as many cars per year as Beijing.

[illegible]7.9[illegible]7000[illegible]

Beijing’s problems are compounded because its public transportation system was neglected for years. Now, the city is expanding subway lines and finishing a rail line from the airport to downtown, but car ownership is expected to keep rising.

[illegible]

“If you discourage people from having a car, the public transportation system would be overburdened,” said Mr. Wu, the Tsinghua professor.

“[illegible]”[illegible]

Taking Pollution’s Measure

[illegible]

Mr. Kolb, the Canadian Olympic official, spent much of August in Beijing trying to answer the question hanging over the city as the Games approach: Has air quality actually improved?

[illegible]Kolb[illegible]8[illegible]

An environmental physiologist, Mr. Kolb visited several stadiums, and sneaked into a few others, to measure pollution with a small monitoring device. On Aug. 5, his measurement of fine particles pollution, or PM 10, reached 200, roughly four times above the level deemed safe by the World Health Organization.

Kolb□□8□5□□□
□□□□□□□□PM 10□□□200□□□□□□□□□□□□□□□□□□□4□□

“We’re worried,” Mr. Kolb said. Of Beijing air pollution, he added: “There’s no doubt about it. It’s off the charts.”

“□□□□□□”Kolb□□□□□□□□□□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□”

A decade ago, Beijing introduced the Blue Sky program to measure sulfur dioxide, nitrogen dioxide and PM 10. Under the system, monitors take regular readings of each pollutant and then calculate a 24-hour average for each. The daily Blue Sky rating is determined by whichever pollutant has the highest 24-hour average.

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For China’s authoritarian government, the system represented a breakthrough. But it is less stringent than air-quality indexes in the United States. Indeed, a day that rates “good” in Beijing would usually be rated polluted in the United States.

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In 1998, Beijing recorded only 100 Blue Sky days. Each ensuing year, the city has improved the number until reaching the current 244 and pending. Cleaner coal has helped reduce sulfur dioxide by 25 percent since 2001. Nitrogen dioxide is also down. But Beijing’s biggest problem is PM 10 and other particulates, which are attributed to construction, industry and cars.

1998□□□□□□100□□□□□□□□□□□□□□□□□□□□□□□□□□244□□□□□□□□□
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Average daily levels of PM 10 exceed national and W.H.O. standards. In 2004, the concentration of airborne particulates in Beijing equaled that of New York, Los Angeles, Washington, Chicago and Atlanta combined, according to the United States Embassy in Beijing. Earlier this year, a report by the United Nations Environment Program concluded that “air pollution is still the single largest environmental and public health issue affecting the city.”

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2004□□
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“Particularly worrying are the levels of small particulate matter (PM 10) in the atmosphere, which is severely deleterious to public health,” the report stated.

“□□□□□□□□□□□□□□□□□PM 10□□□□□□□□□□□□□”□□□□□□□□□

The Blue Sky system sets a maximum rating of 500, meaning that on the worst days the actual pollution level could be even higher. “Good” air in Beijing is any Blue Sky rating below 101. But even good air is often not very good; this year, Beijing has had 65 days that rated between 95 and 100. That bulge just inside the break point has attracted attention on Web sites and even at one foreign embassy, which compiled a statistical analysis casting doubt on the Blue Sky results, though the embassy’s officials refuse to discuss the findings.

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95[illegible]100[illegible]

Du Shaozhong, deputy director of Beijing’s Environmental Protection Bureau, said the ratings were not manipulated. “People used to ask me if the ratings are scientific, or if we are playing any tricks,” Mr. Du said. “But this is most advanced equipment in the world.”

[illegible]”[illegible]”[illegible]”[illegible]”

Mr. Kolb said Olympic athletes were worried about ozone, which can inflame the respiratory tract and make it more difficult to breathe. But Beijing’s monitoring system does not measure ozone, nor does it measure the finer particulates known as PM 2.5.

Kolb[illegible]PM 2.5[illegible]

This year, a team of Chinese and American scientists analyzed air quality issues for the Olympics and found that Beijing’s daily concentrations of PM 2.5 rated anywhere from 50 percent to 200 percent higher than American standards. Their study, published in the journal Atmospheric Environment, also found that ozone regularly exceeded levels deemed safe by American standards.

[illegible]PM 2.5[illegible]50%[illegible]200%[illegible]

Studies are under way to assess the health impact of pollution in Beijing. One 2003 study warned that air pollution could be a major contributor to premature deaths related to chronic pulmonary disease, especially in the

winter. Another study showed that visits to hospital emergency rooms rose on days with higher pollution levels.

On a recent afternoon at Beijing Hospital, Dr. Li Yi, a respiratory specialist, said he now saw 50 patients a day for respiratory problems compared with about half that a decade ago. He said asthma cases had increased sharply, as had the number of patients with nonsmoking-related lung cancer.

“You can’t say that pollution is the only reason,” Dr. Li said. “But nonsmoking-related lung cancer is now increasing more quickly.”

Beyond the Olympics

In August, Beijing marked the one-year countdown to the Games with a celebration at Tiananmen Square and several test competitions at different sites. Jacques Rogge, president of the I.O.C., applauded Beijing’s preparations, but also cautioned that pollution might force the postponement of some endurance sports.

Hu Fei, director of the Institute of Atmosphere Physics in Beijing, said any concern was misplaced. “Don’t worry about the Olympics,” Mr. Hu said, expressing confidence that contingency plans would produce clean air for the Games. “We need to be concerned about the long term.”

Mr. Hu said finding a long-term fix is difficult because of Beijing’s geography. Surrounded by mountains on three sides, Beijing depends on strong winds to disperse pollution. Yet winds also draw pollution into the city. The study in Atmospheric Environment estimated that as much as 60 percent of ozone detected at the National Stadium could be traced to outside provinces.

“Beijing is a pollution source itself, and it is surrounded by other pollution sources,” Mr. Hu said. “When you have wind, it brings in pollution from other sources. When you don’t have wind, the local pollution cannot disperse.”

Xu Jianping, 55, a business consultant, does not need to be told that Beijing is overrun with cars and construction. He is an avid in-line skater who enjoyed skating to work until pollution left him spitting out black phlegm. He went online and ordered a gas mask.

“But I don’t want to wear it,” said Mr. Xu, fearing his mask would be misinterpreted as a protest against the Olympics. “It would hurt China’s image.”

“[illegible]”[illegible]”[illegible]”

So until the Games are over, Mr. Xu is taking the bus to the office. He plans to vacation outside the city during the Games. Then, when life in Beijing returns to normal, he plans to resume skating to work — with his mask, if necessary.

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In Chinese Factories, Lost Fingers and Low Pay

[illegible]

[illegible]DAVID BARBOZA

[illegible]2008[illegible]1[illegible]5[illegible]

Chinese workers can face serious work hazards and abuse. In Hebei Province in northern China, a worker dragged a barrel in a chemical factory. [illegible]

A dormitory at a steel company in the provinces. [illegible]

A worker recycling batteries at a factory in Fuyang, China. A labor law that took effect on Jan. 1 has provisions to protect workers. [illegible]

Workers at a toy factory in Guangzhou. Although some companies have won praise for labor efforts begun after outcries against sweatshops in the 1990s, critics say more change in needed. [illegible]90[illegible]

GUANGZHOU, China — Nearly a decade after some of the most powerful

companies in the world — often under considerable criticism and consumer pressure — began an effort to eliminate sweatshop labor conditions in Asia, worker abuse is still commonplace in many of the Chinese factories that supply Western companies, according to labor rights groups.

[illegible]—— [illegible]

The groups say some Chinese companies routinely shortchange their employees on wages, withhold health benefits and expose their workers to dangerous machinery and harmful chemicals, like lead, cadmium and mercury.

[illegible]

“If these things are so dangerous for the consumer, then how about the workers?” said Anita Chan, a labor rights advocate who teaches at the Australian National University. “We may be dealing with these things for a short time, but they deal with them every day.”

[illegible](Anita Chan)[illegible]”[illegible]([illegible])[illegible]”

And so while American and European consumers worry about exposing their children to Chinese-made toys coated in lead, Chinese workers, often as young as 16, face far more serious hazards. Here in the Pearl River Delta region near Hong Kong, for example, factory workers lose or break about 40,000 fingers on the job every year, according to a

study published a few years ago by the Shanghai Academy of Social Sciences.

[illegible]4[illegible]

Pushing to keep big corporations honest, labor groups regularly smuggle photographs, videos, pay stubs, shipping records and other evidence out of factories that they say violate local law and international worker standards. In 2007, factories that supplied more than a dozen corporations, including Wal-Mart, Disney and Dell, were accused of unfair labor practices, including using child labor, forcing employees to work 16-hour days on fast-moving assembly lines, and paying workers less than minimum wage. (Minimum wage in this part of China is about 55 cents an hour.)

[illegible]”[illegible]”[illegible]2007[illegible]16[illegible]55[illegible]

In recent weeks, a flood of reports detailing labor abuse have been released, at a time when China is still coping with last year’s wave of product safety recalls of goods made in China, and as it tries to change workplace rules with a new labor law that took effect on Jan. 1.

[illegible]1[illegible]1[illegible]

No company has come under as harsh a spotlight as Wal-Mart, the world’s biggest retailer, which sourced about $9 billion in goods from China in 2006, everything from hammers and toys to high-definition televisions.

[illegible]2006[illegible]90[illegible]

In December, two nongovernmental organizations, or NGOs, documented what they said were abuse and labor violations at 15 factories that produce or supply goods for Wal-Mart — including the use of child labor at Huanya Gifts, a factory here in Guangzhou that makes Christmas tree ornaments.

2007[illegible]12[illegible]15[illegible]

Wal-Mart officials say they are investigating the allegations, which were in a report issued three weeks ago by the National Labor Committee, a New York-based NGO.

[illegible]

Guangzhou labor bureau officials said they recently fined Huanya for wage violations, but also said they found no evidence of child labor.

[illegible]

A spokesman for Huanya, which employs 8,000 workers, denied that the company broke any labor laws.

[illegible]8000[illegible]

But two workers interviewed outside Huanya’s huge complex in late December said that they were forced to work long hours to meet production quotas in harsh conditions.

[illegible]12[illegible]

“I work on the plastic molding machine from 6 in the morning to 6 at night,” said Xu Wenquan, a tiny, baby-faced 16-year-old whose hands were covered with blisters. Asked what had happened to his hands, he replied, the machines are “quite hot, so I’ve burned my hands.”

“[illegible]”[illegible]([illegible])[illegible]16[illegible]

His brother, Xu Wenjie, 18, said the two young men left their small village in impoverished Guizhou Province four months ago and traveled more than 500 miles to find work at Huanya.

[illegible]18[illegible]([illegible])[illegible]([illegible])[illegible]

The brothers said they worked 12 hours a day, six days a week, for $120 to $200 a month, far less than they are required to be paid by law.

[illegible]12[illegible]120[illegible]200[illegible]

When government inspectors visit the factory, the young brothers are given the day off, they said.

[illegible]

A former Huanya employee who was reached by telephone gave a similar account of working conditions, saying many workers suffered from skin rashes after working with gold powders and that others were forced to sign papers “volunteering” to work overtime.

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“It’s quite noisy, and you stand up all day, 12 hours, and there’s no air-conditioning,” he said. “We get paid by the piece we make but they never told us how much. Sometimes I got $110, sometimes I got $150 a month.”

“□□□□□□□□□□□□□□□□□□12□□□□□□□□□□□□□□”□□□”□□□□□□□□□□□□□
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In its 58-page report, the National Labor Committee scolded Wal-Mart for not doing more to protect workers. The group charged that last July, Huanya recruited about 500 16-year-old high school students to work seven days a week, often 15 hours a day, during peak production months for holiday merchandise.

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16□□□□□□□□□□□□□□7□□□□15□□□□

Several students interviewed at the Guangzhou Technical School, less than two miles from Huanya, confirmed that classmates ages 16 to 18 had spent the summer working at the factory.

□□□
□□16□□18□□

Some high school students later went on strike to protest the harsh conditions, the report said. The students also told labor officials that at least seven children, as young as 12 years old, were working in the factory.

□□□
□□□7□□□□□□□□□12□□

“At Wal-Mart, Christmas ornaments are cheap, and so are the lives of the young workers in China who make them,” the National Labor Committee report said.

[illegible]”[illegible]”

Jonathan Dong, a Wal-Mart spokesman in Beijing, said the company would soon release details of its own investigation into working conditions at Huanya.

[illegible]Jonathan Dong[illegible]

Labor rights groups have also criticized Disney and Dell. Officials of Disney and Dell declined to comment on specific allegations, but both companies say they carefully monitor factories in China and take action when they find problems or unfair labor practices.

[illegible]

“The Walt Disney Company and its affiliates take claims of unfair labor practices very seriously and investigates any such allegations thoroughly,” the company said in a statement. “We have a strong commitment to the safety and well-being of workers, and fair and just labor standards.”

“[illegible]·[illegible]”[illegible]”[illegible]”

Many multinationals were harshly criticized in the 1990s for using suppliers that maintained sweatshop conditions. Iconic brand names, like Nike, Mattel and Gap, responded by forming corporate social responsibility operations and

working with contractors to create a system of factory audits and inspections. Those changes have won praise in some quarters for improving worker conditions.

But despite spending millions of dollars and hiring thousands of auditors, some companies acknowledge that many of the programs are flawed.

“The factories have improved immeasurably over the past few years,” says Alan Hassenfeld, chairman of the toy maker Hasbro and co-chairman of Care, the ethical-manufacturing program of the International Council of Toy Industries. “But let me be honest: there are some bad factories. We have bribery and corruption occurring but we are doing our best.”

Some factories are warned about audits beforehand and some factory owners or managers bribe auditors. Inexperienced inspectors may also be a problem.

Some major Western auditing firms working in China even hire college students from the United States to work during the summer as inspectors, an indication that they are not willing to invest in more expensive or sophisticated auditing programs, critics say.

[illegible]

Chinese suppliers regularly outsource to other suppliers, who may in turn outsource to yet another operation, creating a supply chain that is hard to follow — let alone inspect.

[illegible]

“The convoluted supply chain is probably one of the most underestimated and unrecognized risks in China,” says Dane Chamorro, general manager for Greater China at Control Risks, a risk-consulting firm. “You really have to have experienced people on the ground who know what they’re doing and know the language.”

“[illegible]”[illegible]Dane Chamorro[illegible]”[illegible]”

Many labor experts say part of the problem is cost: Western companies are constantly pressing their Chinese suppliers for lower prices while also insisting that factory owners spend more to upgrade operations, treat workers properly and improve product quality.

[illegible]

At the same time, rising food, energy and raw material costs in China — as well as a shortage of labor in the biggest southern manufacturing zones — are hampering factory owners’ ability to make a profit.

[illegible]

The situation may get worse before it improves. The labor law that took effect on Jan. 1 makes it more difficult to dismiss workers and creates a whole new set of laws that experts say will almost certainly increase labor costs. Yet it may become more difficult for human rights groups to investigate abuses. Concerned about the growing array of threats to profitability, as well as embarrassing exposés, factories are heightening security, harassing labor rights groups and calling the police when journalists show up at their gates.

[illegible]

At the center of the problem is a labor system that relies on young migrant workers, who often leave small rural villages for two- or three-year stints at factories, where they hope to earn enough to return home to start families.

[illegible]

As long as life in the cities promises more money than in rural areas, they will brave the harsh conditions in factories in this and other Chinese cities. And as long as China outlaws independent unions and proves unable to enforce its own labor rules, there is little hope for change.

[illegible]

“This is a problem that has been difficult to solve,” Liu Kaiming, the director of the Institute on Contemporary Observation, which aids migrant workers in nearby Shenzhen, said of sweatshop labor. “China has too many factories. The workers’ bargaining position is weak and the government’s regulation is slack.”

“[illegible]”[illegible]([illegible])[illegible]”[illegible]”

There is little that any Western company can do about those issues, no matter how seriously they take corporate social responsibility — other than leaving China.

[illegible]——[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2008/01/in_chinese_factories_lost_fingers_and_low_pay.html [illegible]: [illegible]

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ruanyifeng.com

[illegible]12[illegible]21[illegible]China Grabs West’s Smoke-Spewing Factories[illegible]

[illegible]

[illegible]

|handan01[1].jpg|

[illegible]A coking plant at Hangang, the main steel mill complex in Handan, China. China’s produced more steel each year than the United States, Germany and Japan combined. [illegible]

China Grabs West’s Smoke-Spewing Factories

[illegible]”[illegible]”

[illegible]2007[illegible]12[illegible]21[illegible]

HANDAN, China — When residents of this northern Chinese city hang their clothes out to dry, the black fallout from nearby Handan Iron and Steel often sends them back to the wash.

[illegible] —— [illegible]

Half a world away, neighbors of ThyssenKrupp’s former steel mill in the Ruhr Valley of Germany once had a similar problem. The white shirts men wore to church on Sundays turned gray by the time they got home.

[illegible]

These two steel towns have an unusual kinship, spanning 5,000 miles and a decade of economic upheaval. They have shared the same hulking blast furnace, dismantled and shipped piece by piece from Germany’s old industrial heartland to Hebei Province, China’s new Ruhr Valley.

[illegible](Ruhr Valley)[illegible]

The transfer, one of dozens since the late 1990s, contributed to a burst in China’s steel production, which now exceeds that of Germany, Japan and the United States combined. It left Germany with lost jobs and a bad case of postindustrial angst.

[illegible]

But steel mills spewing particulates into the air and sucking electricity from China’s coal-fired power plants account for a big chunk of the country’s surging emissions of sulfur dioxide and carbon dioxide. Germany, in contrast, has cleaned its skies and is now leading the fight against global warming.

[illegible](ThyssenKrupp)[illegible]

In its rush to re-create the industrial revolution that made the West rich, China has absorbed most of the major industries that once made the West dirty. Spurred by strong state support, Chinese companies have become the dominant makers of steel, coke, aluminum, cement, chemicals, leather, paper and other goods that faced high costs, including tougher environmental rules, in other parts of the world. China has become the world’s factory, but also its smokestack.

[illegible]

This mass shift of polluting industries has blighted China’s economic rise. Double-digit growth rates have done less to improve people’s lives when the damages to the air, land, water and human health are considered, some economists say. Outmoded production equipment will have to be replaced or retrofitted at high cost if the country intends to reduce pollution.

[illegible]

China’s worsening environment has also upended the geopolitics of global warming. It produces and exports so many goods once made in the West that many wealthy countries can boast of declining carbon emissions, even while the world’s overall emissions are rising quickly.

[illegible]

The Ruhr Valley city of Dortmund, where ThyssenKrupp once made steel, still suffers from high unemployment because of the loss of jobs to lower-cost countries like China. But Germans can buy Chinese-made iPods, washing machines and cargo ships at prices that, because of lax pollution controls, do not reflect the toll on the environment. And the outsourcing of polluting industries has given them cleaner air and water.

“It seems to me that China is making all the mistakes that we made in the 19th century,” said Wilhelm Grote, an environmental regulator in Dortmund, who recalls washing his father’s car as a child, only to see it immediately blanketed by soot. “They will find it is much more expensive to fix up later than to do it right from the start.”

(Wilhelm Grote)

Having ignored the environmental consequences of its industrial binge for years, the Communist Party leadership now says it is determined to develop a cleaner economic model. Beijing has tried to enforce ambitious — though so far unmet — targets to improve energy efficiency and reduce emissions.

Officials say they are especially concerned about the environmental burden of producing more than $1 trillion of goods each year for sale overseas. Of China’s total carbon

emissions, which by some estimates now exceed those of the United States, just over a third are incurred in the course of making products for foreign consumers, according to the International Energy Agency, an energy policy and research group in Paris.

[illegible]1[illegible]

The country’s central planning agency recently barred purchases of some used industrial equipment from abroad, requiring companies to install newer energy-efficient systems. It has canceled many incentives devised to promote exports, especially for companies that guzzle energy and pollute heavily. Officials have warned companies that breaking environmental laws will cost them their export licenses.

[illegible]

“Some enterprises are abusing the environment to lower export prices,” Chen Guanglong, a Ministry of Commerce official, said in announcing a crackdown on polluters this fall. “They sell their products abroad, but the pollution is left at home.”

[illegible]([illegible])[illegible]”[illegible]”[illegible]

There are few signs, however, that Chinese officials have real regrets about becoming the world’s hub of heavy industry. Investment in new plants and equipment for steel, aluminum and cement has risen sharply even as central

planners warn that the sector will get less state support. China’s steel exports to the European Union are expected to double this year from the record set in 2006.

[illegible]

Three hundred miles south of Beijing, the city of Handan is both a beneficiary and a victim. Hangang, as the local steel mill is called, is a government favorite, having received permission to list its shares on the stock market and expand production. That is despite the fact that, like many of China’s largest steel companies, it is in a crowded city.

[illegible]300[illegible]

Residents on the west side of Handan live in a miasma of dust and smoke that environmental authorities acknowledge contains numerous carcinogens. After public protests, the company agreed to pay an annual “pollution fee” to compensate some neighbors.

[illegible]”[illegible]”[illegible]

The Ruhr gets a different kind of subsidy. Germany and the European Union have committed nearly $22 billion to transform the region into a center of education, technology and tourism. Bulldozers are remaking ThyssenKrupp’s old steel mill into a terraced hillside community, with shops, restaurants and single-family homes surrounding a man-made lake.

[illegible]220[illegible]

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A Faltering Leap Forward

□□□□□□□

Hangang was created by an act of Mao. In 1958, the Chinese leader spurred his people to sacrifice everything, including their pots and pans, in China’s first attempt to become a steel superpower. He called the campaign the Great Leap Forward.

□□□□□□□□□□□□□□□□□□□□□1958□□”□□□”□

Handan, an ancient but neglected city on the parched plains of southern Hebei Province, had two advantages: rich veins of coal and iron ore and easy access to a major north-south railway line.

□□□□□□□□□□□□□——□□

“The ancient city of Handan must be rejuvenated as a capital of steel,” Mao proclaimed.

□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□”

So next to the Handan railway station, just west of the city’s urban center, authorities erected a triumphal gate crowned with statues of heroic workers reaching for the sky. Inside, coking, sintering and smelting plants churned out crude iron and steel.

□□

In economic terms, Hangang was not markedly more successful than the rest of the Great Leap Forward, which led to mass famine. It survived for decades on state subsidies, providing benefits for its 30,000 workers but making low-quality ferrous metals that earned poor returns.

[illegible]3[illegible]

In the 1990s, Hangang came under pressure to turn a profit. Its managers decided to start making sheet metal, for home appliances and cars, as well as their usual output of construction materials. That required a major upgrade.

[illegible]20[illegible]90[illegible]

Backed by state bank loans and a listing on the Shanghai stock market, Hangang embarked on an overhaul. But its ambitions far exceeded its budget. The company needed a cheap and radical solution to transform the mill.

[illegible]

The answer came from Europe, especially from the Ruhr Valley. The Ruhr had been the engine room of German industry since the mid-19th century. It was rich in coal and Prussian zeal.

[illegible]19[illegible]

The region’s big steel groups, Thyssen, Krupp and Mannesmann, forged the weapons for Germany’s armies and later the sheet metal for its automobiles.

[illegible]

But by the 1960s, Germany’s industrial golden age had begun to wane. Miners had to dig deeper to extract coal, which became uneconomical. Taxes and labor costs rose, while reunification subjected West German companies to subsidized competition from the East. Steel mills also came under heavy government pressure to install the latest environmental and efficiency controls.

[illegible]20[illegible]60[illegible]

“In the 1980s, we still had a dream that it was just a temporary slump and we would grow strong again,” said Michael Schwarze-Rodrian, director of the Ruhr Business Development Agency. “But pressures were too great. Our time had passed.”

[illegible](Michael Schwarze-Rodrian)[illegible]”[illegible]80[illegible]”

Thyssen and Krupp merged their steel operations in 1997 and consolidated production in Duisburg, on the Rhine.

[illegible]1997[illegible]

The Dortmund steel mills, called Phoenix, which had been among Germany’s largest since before World War II, were slated for closure, and probably the scrap heap.

[illegible]”[illegible]”[illegible]

That is, until Hangang got word that it could buy a relatively sophisticated German blast furnace for a small fraction of what a new one would cost.

[illegible]

“The reshuffle of the world steel industry gave Hangang this opportunity,” Liu Hanzhang, chairman of Hangang, told local media after he bought the Phoenix furnace in 1998. “Some people think we are a low-tech steel mill. We will become first-class.”

[illegible]1998[illegible]”[illegible]
[illegible]”

Germans did not have to dismantle their own industrial patrimony. Hangang sent workers to Dortmund. They labeled every part of the seven-story furnace, then disassembled it and packed it in thousands of wooden crates for the long voyage to the port of Tianjin.

[illegible]

“They worked day and night,” said Erwin Schneider, a spokesman for ThyssenKrupp. “They could never have done it that fast if they were governed by German labor laws.”

[illegible](Erwin Schneider)[illegible]”[illegible]
[illegible]”

It was not the only such case. Hangang alone spent $800 million importing new and used equipment, according to company literature. It purchased a used ladle furnace and billet caster from Société Métallurgique de Normandie in

France. It bought another secondhand blast furnace and a sinter machine from Arbed in Luxembourg.

[illegible]”[illegible]”[illegible]8[illegible]

Other Chinese companies flocked to the European fire sale, stripping Dortmund of its assets.

[illegible]

ThyssenKrupp sold the remaining parts of the Phoenix plant to Shagang Group, a privately run steel mill on the Yangtze River, in 2000.

[illegible]2000[illegible]

And in 2003, 400 Chinese workers traveled to the Ruhr Valley and dismantled the Kaiserstuhl coking plant in Dortmund, which had been built only a few years earlier to meet exacting European environmental standards.

2003[illegible]400[illegible](Kaiserstuhl)[illegible]

It now belongs to Yankuang Group, a coking company in Shandong Province.

[illegible]

A Loud and Dirty Business

[illegible]

Belching and thundering 24 hours a day, the coking, iron and steel works at Hangang cover four square miles and resemble a working museum of the industrial age. Its oldest

coal-powered furnace, with its corroded, protruding shoots and shafts, might have belonged to Andrew Carnegie. The newest, part of a big expansion, uses waste heat to generate power, a technology that saves energy.

[illegible]4[illegible]24[illegible].[illegible]

The European castoffs fell somewhere in between. It took Hangang several years to integrate this equipment into its patchwork of production lines. The Phoenix plant was christened No. 7 blast furnace. The Normandy and Luxembourg machines became part of the No. 3 steel works.

[illegible]7[illegible]

Facing stiff competition in China’s overcrowded steel industry, Hangang still does not consistently make a profit. But the shopping spree did send production surging. In the decade after 1996, its output rose 350 percent.

[illegible]1996[illegible]350%[illegible]

Shimmering yellow and raging red, Hangang’s flare stacks burn off waste gases and inflame the night sky. A fleet of diesel locomotives hauling coal shakes the farmhouses and apartment buildings that hug the plant’s outer walls. For Handan’s 8.5 million residents, and especially the tens of thousands who live in the plant’s immediate shadow, the complex is a noisome, noxious, money-spinning, job-creating leviathan.

[illegible]850[illegible]

Tian Lanxiu climbs to the roof of a neighbor’s home in Mengwu Village to survey the expanse of Hangang beyond. In the gray horizon she points out the No. 7 blast furnace — “the one the West Germans come to fix.” Nearby is a cooling plant that hisses white steam, and a coking facility that oozes yellow exhaust.

[illegible]([illegible])[illegible]([illegible])[illegible]7[illegible]”[illegible]”[illegible]

Ms. Tian said she and other villagers learned to cope with Hangang’s emissions. People do not eat outdoors, she said, to avoid having black briquettes flake their rice. If her children cannot fall asleep at night, she stuffs their ears with cotton.

[illegible]

Some people in Mengwu have died young, she said, often of heart disease or cancer. She has no evidence to connect their deaths to the steel mill, but says she has few doubts herself. “Hangang knocks 10 years off people’s lives,” she said. “We all want to live longer. We’re growing more aware.”

[illegible]”[illegible]10[illegible]”[illegible]”[illegible]”

Hangang officials declined several requests to discuss production and environmental controls. But the company

has said in domestic news media interviews that, along with the upgrading of its production facilities, it has installed pollution-control equipment and improved the area’s environment.

[illegible]

Government officials in Handan also declined to discuss the plant. But a 2006 study by the city and Tianjin University found abnormally high levels of chemicals of the benzene family attached to coal dust particulates around Handan.

[illegible]2006[illegible]

Airborne concentrations of benzopyrene, a byproduct of coking that some studies have linked to lung cancer, were just below the level measured in two of the country’s most polluted industrial areas, Lanzhou and Taiyuan, and 100 times the levels measured in London, the study said.

[illegible]100[illegible]

Hangang officials once considered moving their older, more heavily polluting production lines farther west of the city. Local environmental officials told state news media in 2005 that if the steel mill did move part of its operations, sulfur dioxide levels in Handan would drop 65 percent. Hangang ultimately elected not to move its older facilities, several people who work at the mill said, because the cost was prohibitive. Instead, Hangang and Shanghai-based Baoshan Iron and Steel teamed up to build another steel mill at the new site. Hangang’s old plant remains in operation.

People who live near the plant have staged scattered protests about its pollution for years. The police have intervened and arrested some protesters. But the company has also sought to defuse unrest by giving jobs and other benefits to area residents.

Two years ago, Ms. Tian and a group of mostly older women sat on railroad tracks leading into Hangang and unfurled a banner that said, “Don’t darken our skies.” Their sit-in blocked a train. They demanded that Hangang arrange for them to move far from the plant, Ms. Tian said.

Hangang declined to do so. But it later agreed to pay them a subsidy in lieu of moving, which the villagers call a “pollution fee.”

On a wall along the village street, officials have pasted strips of baby-blue rice paper listing the names of the heads of each household and its pollution payment. Ms. Tian said she recently collected her third annual installment, totaling $140.

The Dream and Curse of Steel

[illegible]

China surpassed the United States to become the world’s largest steel producer 10 years ago. Since then, steel production in both the United States and Germany has barely budged, while China has left them in the dust. Its mills have increased their output fivefold over the decade, to about 38 percent of the world’s total.

10[illegible]10[illegible]38%[illegible]

That is a realization of Mao’s dream. But steel has also proved a curse. China has 77 large steel mills like Hangang, and hundreds of smaller rivals. They have so much excess capacity that production of some basic steel products has become unprofitable at home and abroad. Worse, steel pollutes more than any other industry in China, perhaps in the world.

[illegible]77[illegible]——[illegible]——[illegible]

Despite a government-mandated efficiency drive, steel will use 11 percent more power this year than last, fully one-tenth of the country’s total energy supply, according to the China Iron and Steel Association.

[illegible]2006[illegible]11%[illegible]

Along with aluminum and cement, steel is the biggest reason China added 90 gigawatts of generation capacity this year, the third year in a row in which it will increase its

power output by more than the total capacity of Britain. About 85 percent of those new power plants burn coal.

[illegible]900[illegible]85%[illegible]

The International Energy Agency, which had predicted as recently as a few years ago that China’s carbon emissions would not reach those of the United States until 2020, now thinks China took the lead this year.

[illegible]2020[illegible]

Chen Kexin, an economist with China’s Ministry of Commerce, said weak environmental laws and still inexpensive power, even more than low labor costs, had enabled Chinese steel makers to undercut prices elsewhere. “The shortfall of environmental protection is one of the main reasons why our exports are cheaper,” Mr. Chen said. “This is hardly an ‘edge’ that we should be proud of.”

[illegible]([illegible])[illegible]”[illegible]”[illegible]”[illegible]’[illegible]’[illegible]”

In fact, Beijing has begun to discourage steel exports. It not only eliminated export tax rebates on many steel products in April, but also slapped an export surcharge on some. Officials expect export growth to slow.

[illegible]4[illegible]

But Mr. Chen said China now so dominated the international steel trade that any drop in its exports would raise prices

abroad, keeping local steel competitive. “It could take years to restore a more normal trade balance,” he said.

[illegible]”[illegible]”[illegible]

The transfer of pollution to China also complicates international efforts to cut greenhouse gas emissions and agree on a plan to succeed the Kyoto Protocol, an issue that will be under discussion for the next two years.

[illegible]

One apparent benefit of China’s industrial rise is that developed countries have slowed or cut their carbon emissions, a political and environmental boon as pressure to combat climate change has increased. Even the United States, which has declined to set limits on carbon emissions, has recently shown slight declines. But the gains are illusory.

[illegible]

A study by researchers at Carnegie Mellon University found that if all the goods that the United States imported between 1997 and 2004 had been produced domestically, America’s carbon emissions would have been 30 percent higher.

[illegible]·[illegible]1997—2004[illegible]30%[illegible]

A separate study for the European Parliament examined the transfer of steel production to China from Germany. It found that China’s less efficient steel mills, and its greater reliance

on coal, meant that it emitted three times as much carbon dioxide per ton of steel as German steel producers.

From Beijing’s perspective, its exports of steel and other “carbon-intensive” products provide one more reason — along with its still moderate per capita emissions and its low standard of living — for rejecting mandatory caps on carbon emissions. Rich countries, it says, should cut their own emissions sharply and transfer technology so that China will not pollute as much as those countries did when they had their industrial booms.

Some leading environmental economists agree. “The footprint of the rich countries is very large because they lay claim to resources in other countries,” said R. Andreas Kraemer, director of the Ecologic Institute for International and European Environmental Policy in Berlin.

He and other experts say wealthy countries may have to reduce their consumption as well as their production of carbon in the future. That would oblige them to count what they import from China and elsewhere.

But that idea is notional, while heavy industry’s shift to China is inexorable.

Germany is China’s mirror image. Polluting factories have migrated abroad. Coal mining has withered. Since 1990, Germany has reduced its annual carbon emissions by 19 percent.

The Greening of Germany

Its transformation dates to the 1970s, with the first attempts to limit lead in gasoline. But it gained momentum in 1980 with the founding of the Green Party, the first environmental party to gain national prominence in Europe. In 1986, prodded partly by the Chernobyl nuclear disaster, West Germany established a ministry dedicated to protecting the environment. It had plenty to do. Germany’s forests had been badly damaged by acid rain from factories in the Ruhr. The Rhine River, which flows past the western edge of the Ruhr Valley, was devoid of marine life.

German reunification in 1990 saddled the country with East Germany’s low-grade brown coal plants, the dirtiest in Europe. Germany cleaned up the East, shutting down many

low-efficiency factories, and achieved sharp reductions in carbon emissions.

1990[illegible]

Reunification also produced a new generation of green political leaders. Chancellor Angela Merkel, an eastern German physicist, entered national politics in 1994, when Helmut Kohl, then the chancellor, named her environment minister. Mrs. Merkel, who earned the nickname the “climate chancellor,” has pushed multilateral agreements to reduce carbon emissions despite stern resistance from the United States to mandatory cuts.

[illegible]1994[illegible]”[illegible]”[illegible]

On Dec. 5, her government passed legislation to reduce Germany’s emissions by an additional 40 percent by 2020. “Germany wants to set an example,” she said.

12[illegible]5[illegible]2020[illegible]40%[illegible]”[illegible]”[illegible]

Dortmund and other Ruhr cities never fully recovered jobs lost to China’s new titans of steel. The unemployment rate in the city still hovers around 15 percent, 50 percent higher than the national average.

[illegible]15%[illegible]50%[illegible]

Walter Schwalen, a 68-year-old former steelworker, points out the window of his second-floor walk-up to a yawning black pit where the Phoenix blast furnaces once roared.

68□□□□□□□Walter Schwalen□□□□□□□□□□□□□□□□□□□□□□□
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He said he watched from his window as a team of Chinese workers dismantled and packed up his old workplace in 1998. “I thought, ‘Our poor Germany,’” he said. “One company after another is closing. Germany is finished.”

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Yet, the Ruhr region is also a laboratory for how an industrial economy can make the transition to a post-industrial era. Once a byword for grit and grime, where drivers turned on their car headlights midmorning to see through the haze of coal smoke, it has been designated a European capital of culture for 2010.

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In Essen, a depleted coal mine has been converted into a museum and performing-arts center. In Bochum, a 105-year-old gas-fired power plant is now used as a concert hall, its vaulted roof providing professional-quality acoustics.

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The Ruhr is coming to grips with another legacy of its polluted past: the Emscher, a 52-mile long river that suffered the indignity of being turned into an industrial waste canal at the end of the 19th century. Germany now plans to spend $7 billion to bring it back to life. Subterranean pipes will ferry wastewater to treatment plants, returning the river to a natural state. It will be

flanked by parkland, the spine of a 248-mile Industrial Heritage Trail for tourists.

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Dortmund, which in 1960 had 40,000 people working in steel mills, now has barely 3,000. But there are 12,000 new jobs in information technology and 2,300 in nanotechnology, which took root here in the last five years. The region, which once had no universities, now has six, as well as eight colleges, with a total enrollment of 160,000 students.

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Even the Phoenix site is rising again. The city has left two old blast furnaces there as the corroded centerpiece of what they hope will be an outdoor performing-arts complex. The government is spending $500 million to dig up soil and remove chemical residues from a half-century of steel making, clearing the way for a lake, a housing development and an office park for start-up companies.

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“It took three generations to do this to the environment,” said Mr. Schwarze-Rodrian of the Ruhr Business Development Agency. “I think it’s reasonable that it will take a generation to fix.”

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A crane at Hangang’s No.4 blast furnace lifts waste,which can be used to make cement.

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The No.7 blast furnace at Hangang originally belonged to a German steelmaker. It was dismantled, shipped to China and reassembled.

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Hangang is constructing a new site in Handan.

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Workers fix a rail next to a coking furnace plant at Hangang.

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Molten steel is poured into a refinery furnace. Many of these machines were brought in from France.

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|handan13[1].jpg|

A worker takes a break at No.4 blast furnace plant, which, unlike several of the others, was made in China.

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Mao declared Handan a steel city during the Great Leap Forward, and the city erected a gate with statues of heroic workers reaching for the sky.

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|gloger3729[1].jpg|

Few steel mills are left in Dortmund, Germany.

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|gloger3984[1].jpg|

Residents of Dortmund say that in the German steel inductry’s heyday the white shirts men wore to church on Sundays turned gray by the time they got home.

[illegible]

|gloger3391[1].jpg|

Walter Schwalen said he watched Chinese workers dismantle the steel furnace on this site to reassemble in Handan.

Walter Schwalen[illegible]

|handan32[1].jpg|

In Handan, Tian Lanxiu said she and several women protested the pollution from Hangang.

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The company refused to move the villagers. Instead, it pays each family an annual “pollution fee”,as shown on these lists.

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As Hangang expands, it is building workers’ dormitories at its construction sites.

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Workers at the Dormitory wash up at the end of the day.

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Rolls of steel are ready for shipping.

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A 2006 study found abnormally high levels of chemicals in the benzene family attached to coal dust around Handan.

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Sulfur dioxide and benzopyrene are some of the more notable byproducts found in the air around Handan.

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A worker smokes outside No.7 blast furnace, the former German facility. As Germany tries to clean up its legacy of steel-related pollution, the problem itself, like this plant, has simply been moved to another place.

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Weimar’s Anna Amalia Library To Re-Open

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Three years after a fire destroyed much of the famous Anna Amalia library in Weimar, the books are returning to the shelves of the world-renowned Rococo gem. The UNESCO World Heritage Site is due to re-open on Oct. 24.

[illegible]Anna Amalia[illegible]10[illegible]24[illegible]

At 12.8 million ($18 million), the restoration and modernization of the historic library was not an inexpensive affair. But library director Michael Knoche was pleased to announce that the room looks much the same as it did in the days of Johann Wolfgang Goethe. “It smells of old books again,” he told a press conference this week.

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Prior to the fire, the library was considered one of the most beautiful in central Europe. It now gleams again in slightly bluish white, the original colour it was given under the reign of Duchess Anna Amalia. Hidden are the state of the art technologies designed to prevent another fire, including an atomised fire-extinguisher, the first of its kind to be built into a library.

[illegible]Anna Amalia[illegible]

According to head architect Walter Grunwald, the fire of Sept. 2, 2004 lasted 67 hours. It took 15 months to repair the damage caused by 380,000 litres (100,400 gallons) of water used to extinguish it. The new extinguisher will go on automatically when the temperature reaches 57 degrees Celsius (135 degrees Fahrenheit) and spray a mist that brings down the temperature, thus preventing a fire in the first place. Grunwald's biggest challenge was incorporating this ultra-modern system discretely into an "icon of German culture."

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According to the Foundation of Weimar Classics, roughly 4,000 volumes are finding their way back onto the shelves daily. Roughly 50, 000 irreplacable books from the 16th to 20th centuries and 35 paintings went up in flames in the fire of 2004. Some 62,000 books were rescued, of which only 28,000 were intact.

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Of the damaged books, roughly 16,000 have been restored and a further 12,500 new acquisitions are replacing the unsalvageable ones. Knoche estimates the total cost of book restoration and re-acquisition at 67 million. Roughly a quarter of that has been raised so far, mainly from private donations. By 2015, the book restoration project should be complete; the new purchases will probably take a good three decades. “We’ll never be able to restore the collection, one to one,” Knoche concedes.

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Germany’s President Horst Köhler will preside over the re-opening ceremony on Oct. 24, Duchess Anna Amalia’s birthday. The library will then open its doors to the public on Dec. 1.

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The Not So Good Earth

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When Wei Yong returned home to his ancestral village last year to visit his 77-year-old mother, he heard about the tremors. Late one night, the residents told him, the village was rocked by what everyone thought was an earthquake. The ground shook. The houses trembled. And the earth cracked open.

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“Liu Run told me her walls were about to cave in,” Mr. Wei said. “My sister says everywhere is sinking. She won’t even

let the dog roam free at night.”

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There was no earthquake, however. Instead, here in this small village in the central province of Shanxi, three large coal mining operations had been burrowing underground for coal — day and night, sometimes with dynamite. And from far below, they had cracked the earth.

[illegible]

The village of Shangma Huangtou is just the latest victim of a coal mining boom that is devastating large swaths of north China, where some of the nation’s richest coal deposits lie. China is the world’s largest producer of coal, and much of it is mined here.

[illegible]

While Shanxi provides the fuel that powers China’s sizzling economy, thousands of acres of land are sinking because of the ravages of underground coal mining.

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Moreover, coal fires are burning uncontrollably below ground here and through much of northern China, adding to global warming by releasing huge amounts of carbon dioxide into the atmosphere.

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Each year, scientists say, about 200 million tons of coal — more than was burned in all of Japan last year — are consumed by raging underground fires that are sometimes started by lightning and sometimes ignited by mining accidents.

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Environmental experts call Shanxi a wasteland. The people of Shangma Huangtou call it a home they no longer cherish.

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Indeed, the tremors here have not stopped, residents say. And so after years of suffering with increasingly foul air and sandstorms fed by a growing man-made mountain of coal waste, now 50 stories high, created from an open pit mine, the residents say they have had enough. They have petitioned to leave this village.

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“People at my age don’t like to move to a new place,” said Wei Yangxian, 71, as he stood by the village road. “But we have no choice. We have no water. The earth is sinking. The air is poisoned. And there’s that big man-made mountain.”

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The problem is that the village is surrounded. Coal mines on the north and south side have already tunneled under the village; a huge chemical factory, just 650 yards west of the village, has fouled the air; and dust from the man-made mountain on the east side slams into the village daily.

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“When I cook,” said Liu Runhua, 54, “I even get sand in the food.”

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All night long, residents here say, trucks carrying coal waste dump it off the side of the mountain. And all day long trucks overloaded with coal rumble past the village, cracking the roads and spraying coal waste on road-side homes.

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Indeed, not long ago residents here grew so angry that they blocked the road that passes through town by forming huge dirt mounds as a makeshift barricade against coal-bearing trucks.

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The government has done little. Xu Gang, a government spokesman, called moving the village people “impossible” and added that the complaints seemed motivated mostly by an effort to seek compensation. “I think they only do this for money,” he said.

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But one of the men fighting to save the village is Mr. Wei, 47, a former government official and the village’s favorite son, the first to leave for college in the 1970’s.

[illegible]47[illegible]70[illegible]

Mr. Wei, a jovial man, knows something about the environmental destruction coal mining can inflict on the land. He himself is in the coal-mining business in northern China.

[illegible]

“My biggest coal mine is in Inner Mongolia,” he said. “But there are very few people in Inner Mongolia. Shanxi Province has people everywhere. The coal mining goes on right in the middle of a huge population. And nobody cares about the environment.”

[illegible]”[illegible]”

When Mr. Wei was a young boy growing up here in the 1960’s, he said, Shangma Huangtou was a village of about 500 people set up against the hills, with corn and soybean farms and a stream running through the middle of the village.

[illegible]60[illegible]500[illegible]

“I remember you could drink from that stream,” Mr. Wei said.

“[illegible]”[illegible]

Everyone here talks about the stream.

[illegible]

“When I was young this stream was very clear,” said Lin Youmao, the village’s elected chief. “We could find fish and shrimp in this little river. And we could swim in it.”

[illegible]”[illegible]”

In the early 1980’s, however, when China was just waking from its long economic slumber, the village turned into a coal mining town after rich deposits were found in the area.

[illegible]80[illegible]

Armand Hammer, the American industrialist and the founder of Occidental Petroleum, formed one of China’s first joint ventures here in north China. In 1982, his company signed an agreement to create a huge open-pit coal mine in Shanxi Province, which had just been designated as the nation’s new energy base.

[illegible].[illegible](Armand Hammer)[illegible]1982[illegible]

The mine was created about a mile east of the village. And when the new project broke ground, residents recall, Mr. Hammer flew in by private jet and Prime Minister Li Peng came for the ceremony.

[illegible]

Years later, Mr. Hammer pulled out of the project, unhappy with its progress. But the An Tai Bao open-pit coal mine continued to grow, scooping up millions of tons of coal and piling mountains of coal waste next to the village.

[illegible]

Every year, residents say, the mountain grew taller. And every year it crept closer to the village. By the 1990's, the mine was operating around the clock. Today, the mountain stands about 500 feet tall and covers more than 30 square miles of land.

[illegible]24[illegible]500[illegible]30[illegible]

At the An Tai Bao Mine, hundreds of Caterpillar trucks, many of them larger than a house, line up every day to carry earth and coal waste up a winding path to the mountain top, where it is dumped onto the pile.

[illegible]Caterpillar[illegible]

Complaints flow easily. Liu Runhua took a visitor to her home and pointed at the cracks in her new house. "Take a look at these gaps," she said.

[illegible]([illegible])[illegible]”[illegible]”

Another resident, Wei Yangxian, said: "If you had come five days earlier you would have seen a sandstorm blanketing our village."

[illegible] 5[illegible]

Wei Futang, 63, a former coal miner, spoke up: "Beautiful land should have two things — water and mountains. Without water a beautiful village can turn ugly very fast."

63[illegible]([illegible])[illegible]

Today, Shangma Huangtou has no water. Villagers say the stream running through here dried up 10 years ago. Now, the wells have run dry, too. It used to be that every household had a well; now the village hires a truck to fetch water from a mile away.

[illegible]10[illegible]

But people here mostly talk about the possibility that the huge slag heap of a mountain will come crashing down and simply bury the village.

[illegible]

That is what happened in Wales in 1966, when a huge pile of coal waste tumbled down on the village of Aberfan, crashing into an elementary school and killing 116 schoolchildren.

1966[illegible](Aberfan)[illegible]116[illegible]

And that is what happened in Richard Llewellyn’s best-selling 1939 novel “How Green Was My Valley,” also the story of a Welsh village destroyed by coal mining.

[illegible] (Richard Llewellyn)1939[illegible]

The people here don’t know those stories. But they can sense them.

[illegible]

“There are three coal mines surrounding the village and only one road out,” said Mr. Wei, who has pleaded with his mother to leave the village.

[illegible]”[illegible]”

The village chief likes to wander the farmlands to measure the huge fissures in the earth. He says a body was buried here a few years ago, but after the ground shifted, relatives came to recover the body and move it to more stable land. They never found it.

[illegible]

“Look at this sinking,” he said, surveying the sloping, tilted farmland. “Two years ago this land was flat. Now look at it.”

“[illegible]”[illegible]”[illegible]”

At a town meeting here a year ago, the villagers gathered and decided they had to move before the village is sucked under.

[illegible]

Some residents later talked about the village’s founding myth, an old fable about how the beautiful village was founded in ancient times with a small lake in its center. But one day, according to the fable, a smart man from southern China came and stole the village frog, bringing ruin to Shangma Huangtou.

[illegible]

“I don’t believe this myth,” Mr. Lin, the village chief, said. “I believe there’s no water because of the coal mines. The earth is like the human body. And the water is like the blood in your veins. But now there’s no water; no blood.”

“[illegible]”[illegible]”[illegible]
[illegible]”

[[illegible]]

Victims of a Coal Boom

[illegible]

1.

|shangma01|

A coal mining boom has swept across north China.

[illegible]

2.

|shangma02|

Coal mining operations have been burrowing beneath the village of Shang Ma in Shanxi Province.

[illegible]

3.

|shangma03|

The mining beneath Shang Ma, in the foreground, cracked the earth and caused tremors.

[illegible]

4.

|shangma04|

The mines have piled mountains of coal waste just next to the village.

[illegible]

5.

|shangma05|

Wei Yong, a former government official and the village’s favorite son, is fighting to save Shang Ma.

[illegible]

6.

|shangma06|

The mining has created huge fissures through the village.

[illegible]

7.

|shangma07|

Tremors damaged the house of Wu Qiang, a village elder.

[illegible]

8.

|shangma08|

A stream used to run through the village. Today, it has no water.

[illegible]

9.

|shangma09|

Lin Youmao, the village’s elected chief, often measures the cracks in the earth.

[illegible]

10.

|shangma10|

Residents are suffering with increasingly foul air and sandstorms created by the man-made mountain of coal waste.

[illegible]

11.

|shangma11|

Elders contantly talk about the possibility that the mountain will come crashing down and bury the village.

[illegible]

12.

|shangma12|

Enviormental experts call Shanxi a wasteland.

[illegible]

13.

|shangma13|

Residents are trying to move before another tremor sucks the village under.

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[illegible]US Census Bureau[illegible]2006[illegible]
[illegible]Income, Poverty, and Health Insurance Coverage in the United States: 2006 report[illegible]

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■ [illegible]**48000**[illegible]

■ [illegible]**12.3%**[illegible]**3650**[illegible]

■ [illegible]15.8%[illegible]4700[illegible]

■ [illegible]1.1%[illegible]50700[illegible]

■ [illegible]64200[illegible]52400[illegible]37800[illegible]32000[illegible]

■ [illegible]52100[illegible]52200[illegible]47800[illegible]43900[illegible]

■ [illegible]49100[illegible]43900[illegible]

■ [illegible]**77%**[illegible]

■ 9.8%[illegible]770[illegible]

■ [illegible]**20614**[illegible]**16079**[illegible]**13167**[illegible]**10294**[illegible]

■ 20.6%[illegible]8.2%[illegible]24.3%[illegible]10.3%[illegible]

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Three Gorges Dam Exacts Its Toll

[illegible]

[illegible]2007[illegible]08[illegible]29[illegible]

by Shai Oster

THE MOST VAUNTED engineering marvel in China, the Three Gorges Dam project, is suffering from unforeseen problems including landslides and water pollution, raising new doubts about a project that has come to symbolize the country's effort to control its environment.

[illegible]—[illegible]

It was only a year ago that the massive Three Gorges Dam was completed, creating a reservoir on the Yangtze River some 640 kilometers long. Now, geologists say the trapped water’s massive weight has begun to erode the Yangtze’s steep shores at several spots. That, along with frequent fluctuations in water levels, has triggered a series of landslides and weakened the ground under places such as Miaohe, a village about 16 kilometers up the reservoir from the dam. Local officials worry that a whole mountainside here could collapse into the water, killing residents and threatening a vital shipping lane.

[illegible]640[illegible]16[illegible]

There are additional dangers. Chinese scientists say that as the dam blocks silt heading downstream, the Yangtze River estuary region, which includes Shanghai, is shrinking and salt water from the ocean is flowing further inland. A report this spring by the World Wildlife Federation said water flowing through the dam is now moving faster, damaging the downriver dikes that were built to prevent floods. Raw sewage and fertilizer runoff has fouled the reservoir, nourishing giant algae blooms and threatening downstream water supplies. Fluctuating reservoir levels have even been blamed for a bizarre plague of rats that farmers have been battling in central China’s Hunan Province.

[illegible](World Wildlife Federation)[illegible]

The emerging issues at Three Gorges illustrate this rapidly industrializing country's struggle against the constraints of nature, and how attempts to overcome them can worsen the problem. Three Gorges opens as dams are coming under new scrutiny abroad from ecologists, as well as from economists who say some of these costly projects can survive only with subsidies.

[illegible]

Questions about the Yangtze River's changed environment are taking on added urgency as China grapples with a mounting water shortage. Across the country, millions of tons of raw sewage, industrial waste and fertilizer runoff have turned lakes into algae-covered cesspools. According to official statistics, more than half of China's major waterways are so polluted that fish are dying or water is unsafe for drinking or irrigation. More than 300 million people — almost one-quarter of the population — lack access to clean drinking water, the government says.

[illegible]3[illegible]

Making things worse, more than one-third of the country's 85,000 or so reservoirs have 'serious' structural problems, according to the official Xinhua news agency. This spring, a deputy minister of water resources called China's reservoirs 'time bombs' that could threaten the lives and property of those downstream. In 1975, a dam collapse in Henan province killed tens of thousands or more, an incident that was covered up until recently.

[illegible]8.5[illegible]”[illegible]”[illegible]”[illegible]”[illegible]1975[illegible]

At the center of the water debate is Three Gorges, China’s largest and most visible reservoir. The country’s news media are beginning to cover problems with the dam. The government hasn’t spoken publicly about issues with the dam and reservoir, but it has quietly rolled out an early warning system for landslides and is supporting research to map at-risk regions. Officials are pouring money into water-treatment plants and reinforcing about 2,250 kilometers of riverbanks.

[illegible]2,250[illegible]

‘We thought of all the possible issues,’ says environmental scientist Weng Lida, the former head of the Yangtze River Water Resources Protection Commission, a government agency tasked with protecting the environment and water resources of the river basin. He is now secretary general of the Yangtze River Forum, a coalition of the Chinese government and nongovernmental organizations that share research on the region’s environment. ‘But the problems are all more serious than we expected.’

[illegible]——[illegible](Yangtze River Water Resources Protection Commission)[illegible](Yangtze River Forum)[illegible]

The government agency that oversees the dam, the Changjiang Water Resources Committee, declined requests for an interview.

[illegible](Changjiang Water Resources Committee)[illegible]

The changes can be seen here in Miaohe, where villagers have grown oranges from gnarled trees and farmed the area’s steeply terraced rice paddies for generations. Miaohe’s 100 or so residents narrowly avoided the mass relocations that accompanied the dam’s construction, when 1.3 million people moved from their homes to make way for the reservoir.

[illegible]130[illegible]

This spring, villagers noticed a 200-meter-long crack, barely a centimeter thick, zigzagging across their paddies. Not long afterward, dam officials lowered reservoir levels to prepare for the summer flooding season.

[illegible]200[illegible]1[illegible]

After early May rains raised reservoir levels again, there were four landslides in five days not far from Miaohe village. As the earth shifted, villagers say they heard cracking as the timbers in their houses began to split. The government told them to evacuate.

[illegible]5[illegible]5[illegible]4[illegible]

An hour away in the county seat, Zigui City, officials are facing a new wave of relocations. About 100,000 people in the county were moved to make way for the reservoir, and now local officials are concerned they’ll have to relocate many more. ‘The changes have come faster than our plans,’ said Cui Shaofeng, an official from the Zigui County resettlement office.

[illegible]1[illegible]10[illegible]

The 6,400-kilometer-long Yangtze is the third-longest river in the world, racing down from Tibetan glaciers, slicing massive valleys through the middle of China and passing fertile plains before its brown waters meet the sea. Along the way, the river passes the Three Gorges, a series of canyons that for centuries plagued sailors with swift currents and hidden rocks. Floods were a constant threat, claiming about 300,000 victims, by some estimates, in the last century alone.

[illegible]6,400[illegible]30[illegible]

China’s leaders long dreamed of damming the Yangtze, in part to harness its power, but primarily to prevent catastrophic flooding. Modern China’s founding father, Sun Yat-sen, proposed a dam in 1919. Mao Zedong, who believed nature could be shaped to man’s purpose, wrote a poem about turning the treacherous Three Gorges into a navigable lake.

[illegible]1919[illegible]”[illegible]”[illegible]

From the late 1950s, the government approved and then delayed construction of a dam here several times, hobbled by technical challenges. By the late 1980s, China also faced mounting charges that a dam and reservoir would not only force farmers to relocate en masse to cities, but also destroy

some of China’s most precious archeological sites and temples.

[illegible]

In April 1989, the government responded to criticism by announcing that it would delay a decision for at least five more years. But opponents were silenced in the aftermath of the Tiananmen Square crackdown a few months later. In 1992 scientists and engineers completed a final environmental feasibility study, and later that year the dam project was put to a vote before the National People’s Congress. It passed. But nearly one-third of China’s usually docile legislature voted ‘No’ or abstained, an unusual show of dissent.

1989 [illegible]4[illegible]5[illegible]1992[illegible]”[illegible]”[illegible]

Construction officially began in 1994, but controversy continued. Responding to pressure from human-rights groups, the U.S. government and the World Bank pulled support from the project. In an open letter in 2000, leading engineers in China, including some who had worked on the feasibility study, protested a decision to fill the reservoir faster than originally planned to maximize profit.

[illegible]1994[illegible](World Bank)[illegible]2000[illegible]

The first trouble came in June 2003, two weeks after the Yangtze River was impounded and the reservoir began to

fill. While water levels rose, passing 90 meters and approaching 135 meters, the valley’s slopes started eroding under the pressure of the water.

□□□□□2003□6□□□□□□□□□□□□□□□□□□□□□□□□90□□□135□□□□□□
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On July 14, a mountain on a tributary of the Three Gorges gave way, shearing a tongue of land about a kilometer wide and long and more than 18 meters thick. Thirteen farmers were swept to their deaths in the mud and debris. The wedge hit the water, sending a two-story-tall wave crashing over 20 boats, drowning 11 fishermen. Officials blamed the landslide on heavy rainfall. Geologists says a sudden change in water levels loosened rocks along the riverbanks.

7 □14□□□□□□□□□□□□□□□□□□□□□□□□1□□□□□□□□18□□□□□□□
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With a final cost of at least $22 billion, the 180-meter tall dam was finished in May 2006. Once it is fully operational later this year, it will contain 19 trillion liters of water, equivalent to one-fifth of the fresh water consumed each year in the U.S. It will produce more than 18,000 megawatts of electricity, 20 times more than the Hoover Dam.

180□□□□□□□□2006□5□□□□□□□□□□□□220□□□□□□□□□□□□□□□□□□□□
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18,000□□□□□□□□(Hoover Dam)□20□□

Mr. Weng, the environmental scientist, believes the dam was necessary to stop floods. Now, his biggest worry is the worsening quality of the reservoir’s water. Phosphorus and nitrogen levels from industrial and fertilizer runoff have risen 10 times above levels a decade ago, according to the WWF report, which he co-edited.

[illegible]
[illegible]10[illegible]10[illegible]

The Three Gorges reservoir is also filling with sewage. Wastewater discharge has soared in the Yangtze River basin, more than doubling from 2000 to 2005, the WWF report says. The basin is home to 160 million people, including 30 million in what is now by some measures the world’s largest municipality, Chongqing, about 640 kilometers upstream from the dam. In the decade ending in 2005, the Yangtze basin economy grew 12.6% a year on average — a percentage point faster than the rest of the nation — as it has switched from agriculture to heavy industry.

[illegible]2000[illegible]2005[illegible]1.6[illegible]640[illegible]──[illegible]3,000[illegible]1995[illegible]2005[illegible]12.6%[illegible]

Scientists and government officials say many sewage plants were built to process waste before it hits the reservoir, but that some aren’t connected to city drains. Zhou Wei, vice director of the department of reservoir management at the government’s Three Gorges Project Construction Committee, acknowledges that sewage levels in the reservoir appear to be increasing. He says the government has given additional funds to make sure plants are running full-time.

[illegible](Three Gorges Project Construction Committee)[illegible]24[illegible]

From the beginning, engineers were also concerned about sedimentation. The Yangtze carries 500 million metric tons

of silt into the gorges each year. Without a way to release most of this mud, the reservoir would silt up and possibly collapse. Government engineers created 23 sluice gates at the bottom of the dam to release turbid water during flood season, and they estimate the system will keep the reservoir at roughly 90% or more of its capacity for nearly a century. Some critics believe sedimentation is growing at a faster rate, which could eventually make the dam unable to contain a flood crest.

[illegible]5[illegible]23[illegible]90%[illegible]

Downstream, fluctuating sediment levels pose yet a different problem. In water with little sediment, sunlight reaches deeper and nourishes the photosynthetic algae, which also feeds on sewage and fertilizer runoff, Mr. Weng says.

[illegible]

Mr. Zhou, the reservoir management vice director, says the dam isn't responsible for the blooms. Algae had turned out to be less of a concern than the Three Gorges committee had expected, he says, with only minor blooms in Yangtze tributaries. He didn't address downstream algae growth.

[illegible]

There are also concerns about whether the dam will fulfill its primary flood-control function. Weeks of torrential downpours in July created one of the biggest surges on the upper Yangtze — the biggest crest since 1998, when

flooding on the undammed river killed thousands downstream. Officials announced on Aug. 1 that the crest passed through the dam without incident, crediting the structure for taming it for the river’s lower reaches.

[illegible]7[illegible]
1998[illegible]98[illegible]8
[illegible]1[illegible]

Critics say that while the dam can handle flood surges, it may contribute to downstream flooding for an unforeseen reason. Past the narrow gorges where it enters central China’s broad plains, the river traditionally slowed, and in some places centuries of sedimentation raised the riverbed above the surrounding countryside and is held back by dikes, as in the city of New Orleans. Water released by the dam runs faster, the WWF says, because the dams traps most of the silt. Lightened of its muddy load, the water courses out with more force and speed and threatens to gouge out the dikes.

[illegible]”[illegible]”[illegible]

Geologists, meanwhile, are focusing on landslides. The Three Gorges were formed as the river gradually sliced through rock 300 million to 70 million years ago. The gorges have a base of limestone but are layered in places with sandstone, shale and mudstone — softer materials that are more likely to collapse. As dam officials raise and lower water levels in anticipation of floods, the soaking and huge pressure changes leave banks weakened and in danger of collapse.

[illegible]3[illegible]7000[illegible]

‘Slope instability is responsible for the most widespread natural hazard in the Three Gorges,’ a team of scientists at the Imperial College London wrote earlier this year in the ‘Quarterly Journal of Engineering Geology and Hydrogeology,’ published by the Geological Society of London. They warned the problem is likely to get worse.

[illegible](Imperial College London)[illegible](Quarterly Journal of Engineering Geology and Hydrogeology)[illegible]

One of the authors looked at satellite readings of Zigui, Wushan and Badong counties, with a combined population of more than million people. In these areas, estimated geologist Ioannis Fourniadis of Imperial College London, 3% of slopes are actively falling and 7% are unstable for activities such as road-building. Another 15% were mostly stable. The rest were solid limestone, which he says pose extremely low risk.

[illegible]—[illegible]•[illegible](Ioannis Fourniadis)[illegible]3%[illegible]7%[illegible]15%[illegible]

Landslides can also trigger tsunamis, says Mr. Wang Fawu, a scientist at the Disaster Prevention Research Institute at Kyoto University, who has studied the gorges for decades. Narrow valleys could amplify a wave set off by falling rocks, sending a wall of water downriver. Such a flood occurred at

northern Italy’s Vaiont Dam in 1963, he says, killing 2,000 people.

[illegible](Kyoto University)[illegible](Disaster Prevention Research Institute)[illegible]1963[illegible](Vaiont Dam)[illegible]

A spokesman for China’s Ministry of Land Resources blames this year’s high incidence of landslides on heavy rainfalls since spring. He says the early-warning system has detected some major slides and that the government is training local people to recognize landslide warning signs.

[illegible](Ministry of Land Resources)[illegible]

A kilometer from Miaohe, where the gravel road that provides sole access to the village passes through a muddy tunnel, the villagers have set up temporary housing. Inside the tunnel, the farmers live in plastic lean-tos. Nearby the local government is creating a clearing where refugees will build their new homes. The site is an hour’s walk from a simple river ferry.

[illegible]1[illegible]1[illegible]

The government is providing some money for new homes, but the villagers say it isn’t enough. The farmers will be able to grow rice, oranges and tea here, but they complain that the land here isn’t good for the crops. In a nod to the villagers’ bleak future, the local government is providing families a dowry for their daughters, to encourage them to marry out.

[illegible]

‘This all started happening right after they began damming the river,’ says villager Han Qingxi, 52 years old, pausing for a moment from rebuilding his simple stone home. Nearby, giant backhoes level the mountainside. ‘They say it’s safer here,’ he says.

[illegible]52[illegible]”[illegible]”[illegible]

[[illegible]]

[illegible]

[illegible]1994[illegible]2003[illegible]6[illegible]2006[illegible]6[illegible]

[illegible]190[illegible]1,800[illegible](Hoover Dam)[illegible]20[illegible]

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**Enemy of the State
— The complicated life of an idealist.**

by Jianying Zha

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Beijing Second Prison is on the outskirts of the city for which it is named, and you can drive past the drab compound without ever noticing it. It’s set about a tenth of a mile off the highway, and when I visit I usually have to tell the

cabdriver about the exit on the left, because it's easy to miss. The first thing you see, after the turnoff, is a heavy, dun-colored metal gate framed by a white tiled arch, and then the guards standing in front with long-barrelled automatic weapons. Electrified wires are stretched taut along the top of the outer wall; it's a maximum-security facility. Inside the waiting room, adjoining the gate, I stow my purse and cell phone in a locker, present my documents, and wait to be called. The guards recognize me but maintain a professional remoteness. I'm visiting my brother, Zha Jianguo, a democracy activist serving a nine-year sentence for "subverting the state."

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Jianguo was arrested and tried in the summer of 1999, and I remember with perfect clarity the moment I learned what had happened. I was standing in the kitchen of a friend's country house, outside Montreal, drinking a cup of freshly made coffee, and glancing at a story on the front page of the local newspaper. It was about a missile that China had just test-launched, which was supposed to be able to hit Alaska; in the last paragraph, Jianguo's trial was reported. I was astonished and outraged, and, as his little sister, I was fiercely proud as well: Jianguo's act of subversion was to have helped start an opposition party, the China Democracy Party (C.D.P.). It was the first time in the history of the People's Republic of China that anyone had dared to form and register an independent party. Jianguo and his fellow-

activists had done so openly, peacefully. Now they were going to prison for it.

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My first visits, seven years ago, were particularly arduous. I had to obtain special permits each time, and during our thirty-minute meetings Jianguo and I were flanked by two or three guards, including an officer in charge of “special” prisoners. I was shocked by how changed Jianguo was from when I’d last seen him, two years earlier. It wasn’t just his prisoner’s crewcut and uniform of coarse cotton, vertical white stripes on gray; his eyes were rheumy and infected, his hands and face were swollen, and his fingernails were purple, evidently from poor circulation and nutrition. We sat on opposite sides of a thick Plexiglas panel and spoke through handsets—they were an incongruous Day-Glo yellow, like a toy phone you’d give a child. Our exchanges, in those days, seemed fraught with urgency and significance. After the first few visits, I also met with the warden, who turned out to be a surprisingly cordial young man. (“You expected a green-faced, long-toothed monster, didn’t you?” he said to me, smiling.) We discussed various issues regarding Jianguo’s health. Within weeks, he granted my two main requests. Jianguo was taken out of the prison in a van with armed guards to a good city hospital, where he received a medical checkup, and he was moved from a noisy cell with eleven murderers to a less crowded, quieter cell.

Four years ago, I moved back to Beijing, where I write for Chinese magazines and work for an academic institute; the monthly trip to Beijing Second Prison has become a routine. I try to make conversation with the officer at the “book desk,” where you can leave reading material for the prisoner you’re visiting; he excludes whatever he deems “inappropriate.” Anything political is likely to be rejected, although a collection of essays by Václav Havel got through: the officer peered at the head shot of the gloomy foreigner, but didn’t know who he was.

The so-called “interview room” is a bland, tidy space, with rows of sky-blue plastic chairs along the Plexiglas divider; you can see a well-tended garden outside, with two heart-

shaped flower beds. Farther away, there’s a row of buildings, gray concrete boxes, where the inmates live and work. (They’re allowed outdoors twice a week, for two-hour periods of open-air exercise.) You can even see the unit captain lead the prisoners, in single file, from those buildings to the interview room.

” [illegible] ” [illegible]

These days, I’m just another visiting relative, and, though the phones are monitored, the guards have long ago lost interest in watching my brother and me. Time passes quickly. Jianguo and I often chat like two old friends who haven’t seen each other in a while. I start by inquiring after his health and general condition, then report some news about relatives or friends. After that, we might talk about the books he’s read recently or discuss something in the news, such as the war in Iraq or Beijing’s preparation for the 2008 Olympics. Sometimes we even exchange carefully phrased opinions on China’s political situation. Finally, I make a shopping list. Each month, a prisoner is allowed about eighty yuan in spending money (about ten dollars) and a hundred and fifty yuan of extra food if a visiting relative buys it at the prison shop; this is for security reasons, but it also provides a source of income for the prison. Jianguo often asks me to buy a box of cookies. Another prisoner, who is serving a ten-year sentence for being a “Taiwanese spy,” has been teaching him English. The man’s wife left him, and no one comes to visit. Apparently, he really likes the cookies.

In the first couple of years, I kept asking Jianguo whether he was ever beaten or hurt in any way. “I’m on pretty good terms with all the officers,” he would tell me. “They are just following orders, but they all know why I got here, and they’ve never touched me. My cellmates have fights among themselves but never with me. They all kind of respect me.” He told me that the jailers let it drop when he refused to answer if he was addressed as fan ren (or “convict”) So-and-So; he objects to the title because he doesn’t believe that he committed a crime. He has also refused to take part in the manual work that all prisoners in his unit are supposed to do: packing disposable chopsticks and similar chores.

A family friend told me that Jianguo might be able to leave China on medical parole, and I asked him many times if he would consider it. He wouldn’t. “I will not leave China unless

my freedom of return is guaranteed,” he insisted. I have stopped asking. Jianguo repeatedly mentions the predicament of exiled Chinese dissidents in the West, who, in the post-Tiananmen era, have lost their political effectiveness. “Once they leave Chinese soil, their role is very limited,” Jianguo says. But how politically effective is it to sit in a tiny cell for nine years—especially when most of your countrymen don’t even know of your existence?

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That’s something I’ve never had the heart to bring up. The mainland Chinese press didn’t report the 1999 C.D.P. roundup, so few people in China ever knew what had happened. Outside China, there was some media coverage at the time, and some protests from human-rights groups, but the incident was soon eclipsed by the Falun Gong story. After almost eight years of incarceration, Jianguo is unrepentant, resolute, and forgotten.

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2

Jianguo is the older of two sons my father had from his first marriage. He was seven when my father divorced his mother and married mine. Although my father had custody of Jianguo, the eight years that separated us meant that my

childhood memories of him are mostly dim. As was the fashion at the time, he went to a boarding school and came home only on Sundays. He remained a gangly, reticent figure hovering at the edge of our family life.

[illegible]

Divorce was uncommon in China at the time, and no doubt it cast a shadow on Jianguo’s childhood. My mother recalls that, when Jianguo slept in the house, she sometimes heard him sobbing under his quilt. In letters written from prison, he described those weekends as “visiting someone else’s home” and said that he “felt like a Lin Daiyu”—referring to the tragic heroine in the Chinese classic “The Dream of the Red Chamber,” who, orphaned at a young age, has to live in her uncle’s house and compete with her cousins for love and attention. But his mother, whom I call Aunt Zhong, says that Jianguo was ambitious from a very young age. When she first told him the story of Yue Fei, a legendary general of the Song dynasty who was betrayed and died tragically, Jianguo looked up at her with tears in his eyes, and said, “But I’m still too young to be a Yue Fei!” She was startled. “I didn’t expect him to become a Yue Fei!” she told me.

[illegible]

She probably expected him to become a scholar. After all, the boy was surrounded not by military men but by academics and artists. My father was a philosopher. Aunt Zhong is an opera scholar and librettist from a distinguished intellectual family; her father was a university vice-president, her mother a painter who studied with the famous master Qi Baishi. In another letter from prison, Jianguo described those primary-school years as “uneventful,” aside from a vivid memory he has of a great summer storm that struck while he walked back to school one Sunday afternoon. In heated language, he recalled how he fought the wind and the downpour all the way, how he was drenched, alone in the deserted streets, but, oh, the awesome beauty of the thunder and lightning and the ecstasy he felt when he finally reached the school gate, the feeling he had of having beaten the monstrous storm all by himself!

Jianguo was also a voracious reader and a brilliant Go player. At the age of fourteen, he was accepted to an élite boarding middle school in Beijing, receiving the top score in his class in the entrance exam. Yet he felt restless. School life was confining, and he disliked the petty authorities he had to contend with. During this period, he began to worship Mao Zedong. He read Mao’s biography closely and tried to imitate his example: taking cold showers in winter, reading philosophy, and pondering the big questions of

politics and society, which he debated with a group of friends. His first political act was to write a letter to the school administration attacking the rigidity of the curriculum and certain “bourgeois sentiments” it enshrined. This was something that Jianguo is still proud of: even before the Cultural Revolution, he had challenged the system, alone.

My own sheltered childhood ended with the Cultural Revolution. My parents were denounced as “stinking intellectuals” and “counter-revolutionaries.” Our house was ransacked. Under the new policy, I went to a nearby school of workers’ children, some of whom threw rocks at me and even left human excrement on our balcony. But Jianguo thrived amid the social turmoil, and became a leader of a Red Guard faction at his school. He seldom came home. When he did, he dressed in full Red Guard fashion: the faded green Army jacket and cap, the Mao button on the shirt pocket, the bright-red armband. He was tall and broad-shouldered, and, with his manly good looks, he seemed to me larger than life. I was shy and tongue-tied in his presence.

Two years later, in 1968, Jianguo left for Inner Mongolia with a group of other Red Guards. He was answering Chairman Mao’s call for the educated city youth to transform China’s poor countryside. My parents held a going-away party for him: I remember the din of a houseful of Red Guards talking, laughing, and eating, my mother boiling pot after pot of noodles, my father sitting silently in his study watching the teen-agers as though in someone else’s house, and Jianguo, seventeen years old, holding court like a young commander on the eve of battle. He invited his friends to take whatever they liked from my father’s library; many books were “borrowed,” including my mother’s favorite novel, “Madame Bovary,” never to be returned.

Aunt Zhong went to the railway station to see him off. When the train started leaving, she waved at her son. “But he acted as if I wasn’t there,” she told me. “He just kept yelling ‘Goodbye, Chairman Mao!’ The Cultural Revolution really poisoned his mind.”

Millions of urban youngsters went to the countryside in those days, but not all of them were true believers: some felt pressure to show proper “revolutionary enthusiasm,” while others went because there were no jobs in the cities. Most of them, shocked by the poverty and backwardness of rural life, became disillusioned. And as the fever of the Cultural Revolution waned, in the mid-nineteen-seventies, many returned home, getting factory jobs or going to university, which in those days depended not on your exam results but on your connections and political record.

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Jianguo wasn’t among them. During the seven years he spent on a farm in Inner Mongolia, he had served as the village head and was popular among peasants. He was a good farmhand. He could drink as much baijiu, the hard northern liquor, as the locals could. He had married a former Beijing schoolmate and Red Guard, who stayed on because of him, and they were making a life for themselves in the countryside. The villagers ignored whatever “revolutionary initiatives” Jianguo tried to introduce, but his personality—honest, warm, generous—won him their affection.

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In 1976, Mao died, the Cultural Revolution ended, and Jianguo’s daughter was born. Jianguo named her Jihong

(“Inheriting Red”). The next few years were critical in China: Deng Xiaoping began to steer the country toward reform and greater openness. The university entrance exam, which had been suspended for more than a decade, was reinstated; I was among those who took the exam and went to university, a welcome change from the farmwork to which I’d been consigned. But Jianguo seemed stuck in the earlier era. He framed a large portrait of Mao with black gauze and hung it on a wall of his home; he would sit in front of it for hours, lost in thought. His wife later told me that Jianguo spent two years grieving for Mao.

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Jianguo eventually took a job with the county government of his rural outpost, working for the local party secretary, a Mongolian named Batu, who took a shine to the bright young Beijinger. Then Jianguo criticized one of Batu’s policy directives, which he saw as disastrous for the peasants, and even took Batu to task in front of a crowded cadre assembly. Jianguo lost his post and was placed under investigation. Condemned as a “running dog of the Gang of Four,” he was locked up in solitary confinement, allowed to read only books by Marx, Lenin, and Mao. Two years later, Batu left the county for a higher position, and Jianguo was released. He was given various low-level posts, and was never promoted.

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In 1985, when I was a graduate student in comparative literature at Columbia University, I went to visit him. After an eighteen-hour ride on a hard-seated train from Beijing, I arrived at a dusty little county station. The man waiting for me there looked like all the other local peasants hawking melons and potatoes from the back of their oxcarts. He was dressed like a peasant, spoke with a local accent, and had even developed a habit of squatting. His torpid movements suggested years of living in a remote backwater where nothing much ever happened.

1985 [illegible]
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It was early 1989 when Jianguo’s wife finally prevailed on him to move back to Beijing. She was a practical woman, and she wasn’t reconciled to a life of rural squalor. She was the one who, driven by poverty, sewed Jianguo’s last piece of Red Guard memorabilia, a faded red flag bearing the guards’ logo, into a quilt cover. Now she was determined not to let their daughter grow up a peasant. For Jianguo, however, their return marked a humiliating end of a twenty-year mission. The idea of bringing revolution to the countryside had turned out to be a fantasy. He changed nothing there. It changed him.

[illegible] 1989 [illegible]

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Four months after Jianguo’s return to Beijing, students started marching on Tiananmen Square. Going to the square each day, listening to the speeches and the songs, watching a new generation of student rebels in action—for Jianguo, it was a profoundly moving experience. Twenty years earlier, the Red Guards’ god was Mao. Now the idealistic kids in blue jeans and T-shirts had erected a new statue: the Goddess of Democracy.

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I was living in Beijing at the time and visited the square daily. Jianguo said little when we met, though he was evidently in turmoil. One afternoon, I asked him to join me while I visited a friend who was active in the protests. Outside on the square, my friend greeted me warmly and invited me to come inside the tent where a group of student leaders were meeting, but when Jianguo followed me he frowned and barred him: “No, not you!” I explained that the man was my brother. My friend looked incredulous. Here, in his native city, Jianguo stood out as a country bumpkin. And, in 1989, the democracy activists were members of an urban élite. My friend’s snobbery must have driven home the message to Jianguo: Stand aside. This is not your revolution.

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Soon, it was nobody’s revolution. What happened to the Tiananmen protesters on June 4th showed what awaited those who openly challenged the system. After the massacre, all government ministers were required to demonstrate loyalty to the Party by visiting the few hospitalized soldiers—“heroes in suppressing the counter-revolutionary riot.” The novelist Wang Meng, who was then the Minister of Culture, got out of it by claiming ill health and checking into a hospital himself. He was promptly removed from office.

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During the spring demonstrations, reporters for the People’s Daily had held up a famous banner on the street: “We don’t want to lie anymore!” It was a rare moment of collective courage. Two months later, they were forced to lie again. A journalist at the newspaper described to me how the campaign to purge dissent was conducted there: meetings were held at every section, and everybody had to attend. Each employee was required to give a day-by-day account of his activities during the Tiananmen period, and then to express his attitude toward the official verdict. “Every one of us did this—no one dared to say no,” he said, recalling the scene seventeen years later. “Can you imagine how humiliating it was? We were crushed, instantly and completely.”

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Among journalists and intellectuals, a brief interval of exhilaration had given way to depression and fear. Many withdrew from public life and turned to private pursuits. (A few, like me, moved to the United States or Europe.) Scholars embarked on esoteric research—hence the Guoxue Re, the early-nineties craze for studying the Chinese classics. A friend of mine, the editor of a magazine that had been an influential forum for critical reporting, turned his attention to cuisine and classical music.

[illegible] 1990 [illegible]

Meanwhile, Jianguo, whose residual faith in the Communist Party and in Mao had perished on June 4th, was adrift, both politically and personally.

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The driver of the gypsy cab was a stocky man with a rugged, weather-beaten face, and wore a cheap, oily-looking blazer. He was leaning on a Jetta, smoking a cigarette, when I got out of the prison snack shop. On this particular

afternoon, three years ago, I was the last visitor to leave. As soon as he saw me, he took one hard draw on the cigarette and flicked it away.

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“Good thing you’re still here,” I said as I got into the car, “or I’d have had a long walk to the bus stop.”

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“I was waiting for you,” he said simply, and started the engine.

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I told him my city address. “Thirty yuan,” he said. I agreed, and we were on our way. At the end of the long asphalt road, the car turned right, onto a wider street, passing enormous mounds of construction material. In the distance, a line of silos was silhouetted against the horizon. Though we were just a forty-minute drive from the city, everywhere you looked there were old factories, low piles of rubble, industrial-waste dumps, half-deserted farm villages on the brink of being bulldozed and “developed.” The farm I’d been sent to work on when I was in my late teens was just a few miles away.

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I was in my usual post-visit mood: tired and unsociable. I closed my eyes, and drowsed until a sharp horn woke me. When I opened my eyes, there were cars everywhere: we had got off the expressway and had entered the maw of downtown traffic. We were hardly moving. It was about four o’clock, the beginning of rush hour.

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“You were visiting your brother, weren’t you?” the driver asked.

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My eyes met the driver’s in the rearview mirror. “How did you know?”

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“Oh, we know the Second Prison folks pretty well. My father used to work there. Your brother is a Democracy Party guy, right?”

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“You know about them?”

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“Oh, yes, they want a multiparty system. How many years did he get?”

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“Nine. He’s halfway through.”

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“Getting any sentence reduction?”

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“Nope, because he doesn’t admit to any crime.”

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The driver spat out the window. “What they did is no crime! But it’s useless to sit in a prison. Is he in touch with Wuer Kaixi?”

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This gave me a start. Wuer Kaixi was a charismatic student leader of Tiananmen Square, who, after years of exile in the United States, now lives in Taiwan. “No! How could he be?”

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“But you know some foreigners, don’t you? You should tell your brother to get out, and get together with the folks in America and Taiwan. Most important thing is: get some guns! How can you beat the Communist Party? Only by armed struggle!”

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“That’s an interesting idea,” I said, taken aback and trying to hide it. “But then China would be in a war. It would make

for bloody chaos.”

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“That would be great!” the driver said.

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I was appalled. “If that happened, don’t you worry that the biggest victims would be ordinary people?”

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“The ordinary people are the biggest victims already!” the driver replied, his face mottled with fury. “You look at this city—at what kind of life the officials and the rich people have, and what kind of shitty life we have.”

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During the next ten minutes, while navigating traffic on Chang’an Avenue, the driver told me about himself. He had worked in the same state plant for more than twenty years, first as a machine operator, later as a truck driver. Then, a few years ago, the plant went bankrupt and shut down. All the workers were let go with only meagre severance pay.

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“But they must give you partial medical insurance,” I said. I was thinking about three high-school friends with whom I’ve stayed in touch over the years: all three women were state

factory workers now in their forties, all were laid off, but all have since found new jobs, and are making more money than before. Two of them even own their homes.

[illegible]

“The insurance is a piece of shit!” the driver replied. “It doesn’t cover anything. I’m scared of getting sick. If I’m sick, I’m done for. For twenty years we worked for them, and this is how they got rid of us!” He spat again. “You look at this city, all these fancy buildings and restaurants. All for the rich people! People like us can’t afford anything!”

[illegible]

On both sides of Chang’an Avenue, new skyscrapers and giant billboards stood under a murky sky. When it comes to architecture and design, most of this new Beijing looks like some provincial official’s dream of modernization. It’s clear that there is a lot of money in Beijing and a great many people are living better than before. But the gap between the rich and the poor has widened. I wondered whether Jianguo, or someone like him, could be the kind of leader that people like this aggrieved cabdriver were waiting for. Under the banner of social justice, they could vent their rage against China’s new order.

[illegible]

4.

Despite the emotions that the Tiananmen massacre had awakened in Jianguo, he had a more pressing matter to deal with that year: he had to make a living. Legally, Jianguo and his wife were “black” persons: they had no residential papers, no apartment, no job. Worse still, they had no marketable skills. So for a period they stayed with relatives and took temporary jobs at an adult-education school that Jianguo’s younger brother, Jianyi, had started. Jianguo worked as a janitor, his wife as a bookkeeper. The school was a success, mainly because it offered prep courses for the Test of English as a Foreign Language. During the chill that followed Tiananmen, studying English was becoming ever more popular, and TOEFL was crucial for applying to foreign schools. Jianyi was growing rich, fast. It was an awkward reversal of roles. The two brothers had very different personalities: next to his serious, ambitious, and hardworking big brother, Jianyi was always viewed as a baby-faced “hooligan”: he goofed off at school, chased girls, and squandered his money on dining out and having a good time. But in the new China the free-spending playboy was thriving. At first, he’d wanted Jianguo to help him manage the business, but Jianguo declined; he preferred to have more time to read and think, and being a janitor allowed for that. “He is always interested in saving China, but he can’t even save himself!” Jianyi once said to me about Jianguo. I wondered how Jianguo felt about pushing a mop around for his little brother.

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Jianguo didn’t stay on the job long. In the following decade, he moved frequently, from apartment to apartment, and from job to job, mainly low-level office work. But he seemed to have decided that he’d spent enough time reading and thinking; he was eager to try something bigger. After 1992, when the society was seized by an entrepreneurial fever, Jianguo tried a number of ventures. He got involved in a scheme to buy coal in the north and sell it in the south. He set up a factory producing a new licorice soda. (It tasted like cough syrup.) He ran business-training programs. But he always ended up either quitting the job or closing the shop. By the summer of 1997, the last time I saw him before he was arrested, he had filed for bankruptcy several times. His personal life was in disarray as well. He had divorced his wife of nearly twenty years and married a young, pretty girl from Inner Mongolia who worked in the soda factory. This second marriage lasted less than a year, collapsing as soon as the business did, and Jianguo ended up moving in with his daughter.

[illegible] 1992 [illegible]

By then, Jihong (“Inheriting Red”) had been renamed Huiyi (“Wisdom and Pleasure”). The girl attended a community college, and spent her time reading pulp romances and chatting with her girlfriends. But she was devoted to her father. When she graduated, in 1998, she got a job as a front-desk receptionist at the upscale Jinglun Hotel, and turned over half her salary to him. It was clear to both of them, by now, that he wasn’t cut out for business. Then, in 1998, Jianyi died, of a brain tumor, and Jianguo inherited his Beijing apartment. Finally, Jianguo had a place that he could call his own. With a home, and the help of his daughter, he was free to do what he wanted.

That August, I received a long, wistful letter from Jianguo. Jianyi’s death, at the age of forty-four, was obviously a shock. “He’s gone, and the sense of life’s bitter shortness presses on me more urgently,” Jianguo wrote. “Yesterday was my forty-seventh birthday. Will my remaining twenty or thirty years also slip away in the blink of an eye?” Now he looked back on his existence:

[illegible]

My whole life I have had a strong mind but my fate has not been good. Over the past few decades I have been fighting this fate, clenching my teeth and not crying. I am an idealist. For the ideal of democracy, I quit the Party; for the ideal of freedom, I quit my job, over and again; for the ideal of love, I divorced, over and again. To this day I am, intellectually, professionally, financially and emotionally, a “vagabond.” … The Chinese market is now in a slump, and the majority of businesses are not doing well. China, too, is floating in wind and storm, not knowing where it is heading. When will there be an opportunity for people like me to rise up with the flagpole of rebellion?

[illegible]

Jianguo hadn’t changed, I remember thinking with a vague sense of foreboding. Within the striving, clueless businessman was a rebel waiting for a new cause.

[illegible]

What I did not know was that Jianguo had already found it. A couple of years earlier, he had met a man named Xu Wenli, a former railway electrician and a veteran dissident from the Democracy Wall period. That was a brief political thaw in the

late nineteen-seventies, when, on a wall at a busy intersection in the heart of Beijing, people put up posters, essays, poems, and mimeographed articles, attracting huge crowds who read and discussed what had been posted. (In late 1979, the government cracked down, and cleaned it up.) When a friend introduced Jianguo to Xu Wenli, he had just emerged from a dozen years in prison. The two men had passionate discussions about Chinese politics, but at first they also planned to go into business together. One idea was to start a car-rental company. They did some market surveys, and decided on their own business titles: Xu would be the chairman of the board, Jianguo the vice-chairman. In the end, the venture didn’t work out; a loan that Xu was counting on never materialized.

[illegible]

In early 1998, the atmosphere in China was unusually relaxed—the government was negotiating for membership in the World Trade Organization; President Clinton was coming to visit—and small groups of dissidents in different cities decided to take advantage of the new mood, moving to form an opposition party. They settled on the name China Democracy Party. Xu assumed the title of the chairman of the C.D.P.’s Beijing branch, Jianguo that of the vice-chairman, the two reclaiming their business titles for a loftier cause. With peculiar daring, or naïveté, the officers of

the C.D.P. decided to do everything openly: they tried to register the party at the civil-affairs bureau, they posted statements and articles on the Internet, they talked to foreign reporters. For a few months, the government allowed these activities, but, shortly after Clinton’s visit, in June, a crackdown began, and a first wave of arrests and trials took place. Xu Wenli, among others, received a thirteen-year sentence. Jianguo remained free but was followed by four security agents every day. He assumed the title of the party’s executive chairman and carried on: he called meetings and urged the few C.D.P. members who came to stand firm; he posted new statements on the Internet, expressing his political views and demanding the release of Xu Wenli and his other jailed comrades. When the police finally arrested Jianguo, in June of 1999, he had long been ready for them. He had even taken to carrying around a toothbrush.

1998[illegible]----[illegible]WTO[illegible]C.D.P[illegible]C.D.P.[illegible]6[illegible]13[illegible]4[illegible]C.D.P[illegible]1999[illegible]6[illegible]

5.

“Heroic deeds are not appropriate to everyday life,” the Czech dissident Ludvík Vaculík wrote, in the nineteen-

seventies. “Heroism is acceptable in exceptional situations, but these must not last too long.” Those words were born out by the tenor of post-Tiananmen Beijing. Over time, a semblance of normalcy returned. Throughout the nineteen-nineties, while new market reforms were launched and people’s energies were directed toward the pursuit of wealth, the Party established clear guidelines about which topics could be publicly discussed and which topics could not (such as the infamous “three Ts”: Tiananmen, Taiwan, and Tibet). As the economy boomed, the ranks of the educated élite splintered: some plunged into commerce, some—notably the economists and the applied scientists—built careers selling their expertise to the government and to corporations. Artists and scholars scrambled to adapt to the marketplace.

”[illegible]”[illegible]Ludvík Vaculík[illegible]1970[illegible]”[illegible]”[illegible]1990[illegible]”[illegible]T[illegible]”[illegible]----[illegible]----[illegible]

Gradually, a tacit consensus emerged, which was captured in the title of a book published in the late nineteen-nineties: “Gaobie Geming” (“Farewell, Revolution”). The book was written by two of the star intellectuals of the previous decade, Li Zehou, a philosopher and historian, and Liu Zaifu, a literary critic. Both men had been hugely influential figures during the movements that led up to Tiananmen. Both became involved with the Tiananmen demonstrations, and ended up living in the United States in the nineties. Yet their book was a scathing critique of the radicals and the

revolutionaries. Looking back upon the past century of Chinese history, Li and Liu observed that attempts to bring about radical change had always resulted either in disaster or in tyranny. China was too big, its problems too numerous and complex, for any quick fix. Incremental reform, not revolution, was the right approach. In a separate article, Li also laid out four successive phases of development—economic progress, personal freedom, social justice, political democracy—that stood between China and full modernity. In other words, achieving real democracy wasn't a matter of throwing a switch.

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These were the arguments of two smart, reasonable Chinese with liberal-democratic sympathies. And they struck a chord with other smart, reasonable Chinese who were equally sympathetic toward liberalism but increasingly uncomfortable with the idea of radical change. Though the book was published in Hong Kong, it gave voice to a subtle reconfiguration in the attitude of mainland élites during the nineties.

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The new consensus was shaped by a curious combination of trends. Outside China, the exiled pro-democracy movement had foundered, beset by factionalism. Inside China, the tone for public life was Deng Xiaoping’s mantra “No debate”—that is, forget ideological deliberation and focus on economic development. While the technocrats moved to the politburo and pushed market reforms, the ideologues stayed in the propaganda ministry and tried to muffle voices of criticism. Meanwhile, the economy kept growing, at breakneck speed. As China integrated into the international marketplace, four hundred million Chinese were lifted out of poverty. A new affluent class began to emerge in the cities and coastal areas, where the younger generation, reared on the pop culture of consumerism, shied away from politics. As beneficiaries of the boom, they were generally “pro-China”; nationalist sentiments were growing. But “pro-democracy”? It’s unclear whether these young people cared enough to give it much thought.

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So when Jianguo and his comrades formed the China Democracy Party, in 1998, they not only failed to grasp the limits of the government’s tolerance; they failed to take the measure of the national mood. For the most part, they

lacked deep roots in any particular community; they weren’t well educated or connected to the country’s élites; and they had little contact with other liberals and reformers. A few, like Xu Wenli, were marginalized because of their former prison records and their continued refusal to recant or compromise. They had the courage of their convictions, and not much else. Some, like Jianguo, had tried to do something “constructive,” and join the entrepreneurial ferment, but got nowhere. They had, in short, lost their way in the new era.

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When I first started visiting Jianguo in jail, I could tell, despite his disavowals, how much he cared about the outside world’s response to what he’d done, and to what had been done to him. So I tried to tell him every piece of “positive news” I could find. His eyes would light up, or he’d assume a look of solemn resolve. My task got harder as the C.D.P. faded from the news. In late 2002, Xu Wenli, the star dissident, was released on medical parole and was flown to the United States on Christmas Eve. Afterward, coverage of the other jailed C.D.P. members largely ceased.

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Once, I had a sobering conversation with a woman while waiting for the prison interview. She was visiting her younger brother, who had killed another man in a quarrel and had been sentenced to twenty years. “He was in the restaurant business and the guy owed him money,” she explained. “He was young, too rash.” She asked me what my brother had done. When I told her, she was flabbergasted. “Organizing a party?” she said, and blinked as though I were speaking in tongues. “I didn’t know our country still had political prisoners. I thought everyone here got in trouble because of something to do with money.”

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The last time I saw the C.D.P. mentioned in a major publication was in March, 2002, in a profile in the New York Times Magazine. The subject of the article was my friend John Kamm, a former American businessman who became a full-time campaigner for Chinese prisoners of conscience. The article dismissed the C.D.P. as “a toothless group of a few hundred members writing essays mainly for one another.” The line made me wince. The C.D.P. men could take pride in their status as “subverters” of a totalitarian state. And they could forgive their countrymen for not rising up with them: they are heroic precisely because most other people are not. But how could they face this verdict—of laughable irrelevance—from the Times, a symbol of the freedom and democracy for which they’d sacrificed everything? Toothless men writing for one another: the words were heartless. They were also true. And perhaps it didn’t much matter that these men were toothless because

their powerful opponent had rendered them so; that they were writing only for each other because in China a message like theirs was not allowed to spread further. I felt like weeping. But I wasn't sure whether it was because I was sorry for Jianguo or angry at him—for being such a fool. While he sits in his tiny cell, day after day, year after year, the world has moved on.

[illegible]

6.

"You can't say the world has forgotten about him," John Kamm insisted, when we spoke not long ago. "I haven't! I care about what happens to your brother!" We were drinking coffee in the lobby café of a Beijing hotel where John was staying during one of his trips to China.

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John is, by his own description, “a human-rights salesman.” Formerly the chairman of the American Chamber of Commerce in Hong Kong, he had a lucrative business career, with a chauffeured Mercedes, maids, and a condo in a prime location. Then, in the mid-nineteen-nineties, he gave all that up to become an advocate for political prisoners in China. Shuttling frequently between Beijing and Washington, D.C., and meeting with high-ranking officials on both sides, John uses everything in his power—hard data, personal connections, cajoling, name-dropping, bargaining—to make sure that the issue of Chinese political prisoners doesn’t go away.

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He’s a big man with a sonorous voice, earthy humor, and gregarious charm. He’s also a devout Catholic with a missionary fervor, and his conversation glistens with Biblical cadences. (“Justice will flow down like a river and righteousness a mighty stream.”) He has been my main adviser on all questions concerning Jianguo and my prison visits, and if Jianguo has been treated better than some political detainees it’s probably because of John’s efforts. But he acknowledges that Jianguo’s name has fallen off the annual list of political prisoners compiled by various Western governments and watchdog groups. I once asked John what he would do if he were in Jianguo’s position. John thought for a moment and told me a story about what had happened in the late nineteen-forties when Bertolt Brecht, then living in the United States, was subpoenaed by the House

Committee on Un-American Activities. He agreed to testify, assured the committee that he had no sympathy for Communism, and was thanked for coöperating. Then he flew to Europe, and ended up in East Berlin, where he doesn't seem to have given a second thought to anything he might have professed on the stand. "If I was arrested, I'd do exactly what Brecht did," John told me. "I'd lie to save my ass. Then I'd have a life!"

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I sighed. I consider John, who abandoned his career to devote himself to the plight of strangers in someone else's country, to be an American hero. So, if even a man like him would do what was necessary to stay out of jail, why must my brother be so stubborn? Doesn't it make more sense to chip at a wall, little by little, than to bash your head against it?

[illegible]

[illegible]

The harshest comments I have heard about Jianguo come from his own mother. “It’s not bravery,” she once told me. “It’s arrogance and stupidity. He’s had a hero complex from childhood. The problem is, he’s not a hero. He is a foot soldier who wants to be a general, but without the talent and the skills of a general.”

[illegible]

Aunt Zhong was a beautiful woman when she was young. Purged as a “rightist” in 1957, she lost her job and labored in a camp for years. She is now a little white-haired woman in her seventies, with a kind smile and swollen, aching legs. She has no illusions about the Communist Party, but thinks that change can occur only slowly. In her view, the C.D.P. was “banging an egg against a rock.” She had tried to talk Jianguo out of his involvement in the C.D.P., by reminding him of his responsibilities to his own family. Jianguo had replied with a classical saying: “Zhong xiao bu neng liang quan”—“One must choose between loyalty and filial devotion.” Upset by Jianguo’s obstinacy, she did not visit him for two years after his arrest.

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Her exasperation is reciprocated. Aunt Zhong and I once went to visit Jianguo together. During the interview, we took turns speaking with him by phone. At one point, Aunt Zhong started talking about how China was too big a country to change quickly, how the situation was gradually improving and many things were getting better. I watched Jianguo's face darken steadily, until he said something and Aunt Zhong handed the phone to me. As soon as I got on, Jianguo said in a voice shaking with emotion, "I don't want to listen to her! She only makes me angry!"

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After the visit, I told Aunt Zhong about a conversation I'd had with Han Dongfang, a workers'-union activist who had been jailed after Tiananmen. When we met, Han had been living in Hong Kong for many years, hosting a radio call-in show on Chinese labor problems. His credentials as a dissident were impeccable: during his two years in jail, he was tortured, got violently sick, and nearly died. Refusing to yield, he staged a hunger strike. Unlike many Chinese dissidents, though, Han is decidedly urbane (stylish clothes, fluent English, polite manners) and reflective about his past and his personal weaknesses. He was critical of Chinese dissidents on the whole, including himself. "Please don't get me started on that topic," Han told me. "I don't have anything nice to say about the lot." He believed that many Chinese dissidents were afflicted with an inflated self-regard. "It's a sickness so many of us are not aware of," he said. But, Han said, one should not discuss these things with a dissident in prison. "Because to get through prison you need to mobilize all your strength, to be self-righteous and

believe that you are a hero," he said. "You need that kind of mental arrogance to prop up your spirit. You cannot afford self-doubt."

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Aunt Zhong listened to what Han had told me, and accepted the point. She promised not to discuss politics again with Jianguo. "I just hope he will get through his term and come out in good health," she said, shaking her head. "After that, maybe we can all have a good talk with him. I hope he will change his way of thinking and not get back in jail again."

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The political landscape in China has grown more complex since the days of the C.D.P. crackdown. After years of rapid growth, China is now the fourth-largest economy in the world, poised to surpass Germany and Japan before long,

and widely expected to catch up with the United States around 2050. It has the highest foreign-currency reserve in the world. The transformation, however, has been accompanied by endemic corruption, environmental destruction, a widening income gap, and unravelling social services. The policies of President Hu Jintao and Premier Wen Jiabao have tempered some of these problems, by eliminating the agricultural tax, paying more attention to the “weaker communities,” and taking measures to curb graft. But there’s a growing sense that deeper accommodations must be made: on the one side is a swelling mass of disadvantaged people who bear the brunt of social inequity and want more reform and fairness; on the other is a large body of mid-level bureaucrats who are in a mercenary alliance with business interests and resist any structural change. Everyone knows that, in the political realm, something will eventually have to give.

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Agitation for political reform has, in the past four or five years, grown more assertive, while taking on more varied and artful forms: instead of using the fraught term ren quan (“human rights”), for example, people talk about fa zhi (“the rule of law”) and wei quan (“defending civil rights”) to discuss consumer rights or migrant-labor rights or private-property rights. Each year, there are more cases in which

journalists expose corruption, lawyers take up civil-rights suits in court, scholars investigate the “blank spots” of history (the Sino-Japanese War, the great famine of 1959-62, the Cultural Revolution), publishers defy taboos and print “sensitive” books. From time to time, a statement or a petition is signed by a group of people, though they usually take pains to present themselves as an assortment of individuals, rather than as an organization. Acts of this nature tend to be sporadic and spontaneous, although, with the rapid expansion of the Internet and international communication, news travels fast, and the task of controlling information becomes more daunting. On the Chinese Internet, the voices of criticism are so diverse that censors face the equivalent of a guerrilla war with a thousand fronts. For every offender who gets caught and punished, a hundred get away. These critics can’t be easily located, isolated, and destroyed, the way the C.D.P. was.

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Meanwhile, globalization has made the government and the leaders more mindful of their own image. The official talk of “peaceful rising” and “building a harmonious society” in recent years reflects a softer approach in both international and domestic politics. On the whole, the political atmosphere in China really has eased, and people are a little

less afraid. In private and in public, Chinese discussions of political reform are getting louder.

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So Aunt Zhong had a point when she told Jianguo that the situation in China is improving. And not everyone has forgotten the C.D.P. incident. Several of my liberal Chinese friends have told me that, thanks to men like Jianguo, who tested “the baseline” with their lives, others now know exactly how far they can push. As one of them, Cui Weiping, put it, “The officials think of us as moderates because of them. They are the reason we are not in prison. For this alone we are grateful.” Cui, a literary and film critic, has translated Havel’s essays into Chinese. She writes publicly about the need to build civil society in order to battle totalitarian culture. She respects men like Jianguo but says that “real change will come from small, ignoble places. Social movements, not the élite or lone heroes, are going to make history.”

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Another prominent liberal figure, Xu Youyu, a philosopher at the Chinese Academy of Social Sciences and a forceful advocate of political reform, told me that he would never make “foolish decisions” such as those made by the C.D.P. founders. “It was stupid in terms of political strategy,” he said. Xu, who is well-versed in Western analytical philosophy and liberal theory, emphasizes the importance of “rational analysis” before taking any action. “Perhaps they were eager to set a record—to be the first to openly form an opposition party in Communist China,” Xu said. “If that’s what motivated them, it’s the sort of human weakness I could forgive.” Like Jianguo, Xu had been a Red Guard, and he has written a candid and moving memoir about the Cultural Revolution, with soul-searching reflections on his own youthful delusions. He signed a copy for Jianguo and asked me to bring it to him. Not surprisingly, the censor at the prison book desk rejected it.

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But Jianguo isn’t an educator, like Xu. He’s a man of action. The C.D.P. founders are all men of action, and history has not been kind to them. I remember something I heard a Chinese C.E.O. once say: “The person who takes one step ahead of others is a leader. The person who takes three steps ahead of others is a martyr.” The C.D.P. men are martyrs. I used to console myself with the old Chinese saying “Bu yi chengbai lun yingxiong”—“Do not judge a hero

by victory or defeat.” Yet Jianguo also seems a mulish simpleton, a man with a black-and-white vision of politics, oblivious of all shades of gray, not to mention the rainbow of hues that you’d need to paint a semblance of Chinese life today. In other moods, I would think of Confucius’ remark about one of his disciples, Zilu: “He has daring, but little else.”

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Neither attitude seems quite right to me now. I recall a conversation I had with Perry Link, a distinguished China scholar at Princeton, about Wei Jingsheng. Wei is Jianguo’s personal hero, a legendary figure in the Chinese democracy movement. Back in 1978, when he was a twenty-eight-year-old electrician, Wei had the audacity to post essays on the Democracy Wall demanding democratization; Deng Xiaoping, he said, was a dictator. Wei was charged, absurdly, with “leaking state secrets,” and sentenced to fifteen years in prison. During his time behind bars, through sickness and periods of solitary confinement, he never backed away from his views. Once he had been released, he immediately resumed his pro-democracy writing and activities, and was sent back to prison. After serving two years of a fourteen-year sentence, he was freed, ostensibly for “medical reasons,” and flown to the United States, where he kept up his personal campaign against the Chinese government. The West must not be fooled by its reforms, he warns, for the Communist Party will never change its true nature. What’s certain is that Wei will never change. Over

time, many of his early admirers have come to see him as a man with a simplistic, static vision of China and the Chinese Communist Party. In fact, the Party appears to be far more agile and adaptive than Wei Jingsheng.

[illegible] Perry Link [illegible] 1978 [illegible] 28 [illegible] ” [illegible] ” [illegible] 15 [illegible] ” [illegible] ” [illegible]

I told Perry about my ambivalence toward people like my brother and Wei. I admired their courage, their deep sense of justice, but felt uncomfortable with their almost religious sense of self-certainty. “People like Wei Jingsheng are like the North Pole,” he told me. “They are frozen, but they define a pole.”

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Yes, I thought, my brother is frozen, with his unchanging, unchangeable vision of what is to be done. He reduces a vast, complicated tangle of problems to a single point source of evil: the Communist Party. End one-party rule, and the evil is eradicated. Even as he is locked up, he has locked the world out, refusing to listen to anything that disturbs his convictions, closing his eyes to a reality ridden with

contradictions, ambiguities, and possibilities. For all this, Perry is right: people like Jianguo define a pole.

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And, of course, those who locked him up are on the wrong side of history. Liu Ge, a friend who is a partner at an illustrious Beijing law firm, likes to remind me of this. “All the countries that have succeeded in modernization have a multiparty system, while those sticking to one-party rule are losers,” Liu said. “Democracy makes a country win and dictatorship makes a country lose. The rulers today want to make China better, and they have done a lot of things well, but they cannot face their ugly past, how they turned China into a place with a hundred holes and a thousand wounds, the Cultural Revolution, the Great Leap Forward, and so on. So they are not confident enough to take radical critics like your brother.”

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Gradually, though, I have come to feel a certain degree of impatience with the impulse to see Jianguo mainly through the lens of Chinese politics. I’d rather see my brother not as

an integer in the realm of political calculation but as a flawed but admirable human being, with perhaps one striking oddity—his uncompromising insistence on upholding his idealism at any cost. A novelist friend of mine who has listened to me talk about Jianguo over the years once compared him to the creatures she’d seen in the 2005 documentary “March of the Penguins.” “The penguins are silly, laughable creatures—they are fat, they waddle, they fall on their belly, and they are single-minded,” she said. “But when they are in the water they are beautiful! What your brother does politically is absurd, but his idealism and his courage in their purity are beautiful.”

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Maybe the question of whether Jianguo is a hero or a fool is beside the point. Above and beyond the consequences of his action is the moral meaning of his action. By keeping his promise to himself, he has fulfilled his own vision of a righteous life, his own sense of purpose. During one of my prison visits, I mentioned that a former classmate of Jianguo’s, an expert on rural issues, had just won a prestigious official award. “That’s good,” Jianguo replied. “He helps the reform from within the system. I’m outside the system. There are a lot of big intellectuals who can help reform with their knowledge. I don’t have enough systematic education to do that. But people like us have a role to play, too.” He smiled at me. “Character is fate. Just

remember this: your brother is a simple, old-fashioned, outdated, and stubborn man. Once I make up my mind, I stick to it.” In the past few years, he has lost much of his hair, and a recent attack of shingles had left some scabs on his forehead, but his face was as serene as I’d ever seen it.

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With a year and a half to go, Jianguo has started talking about how many books he’d like to finish reading. “Really, it’s not bad here,” he assured me recently. “I’ll get out in 2008, and if you are in Beijing then we’ll watch the Olympics together.” We spoke about several of our Shanghai cousins, all successful businessmen and lawyers. “I’m very happy they do well in their business,” Jianguo said. “But each person has his own goal. To achieve democracy in a country, some people must offer their blood and lives in the struggle. Look at South Korea, or Taiwan: there had been so many crackdowns, so many prisoners. But, wave after wave, individuals rose up. They gave their lives to pave the way to their democracy.”

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His eyes were intent, his gestures expansive; for a moment, you could tell, he had even forgotten that he was in prison. “China is a huge country,” he went on. “We have 1.3 billion people. We ought to have at least a few men who are willing to do this.”

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Reincarnation of living Buddha of Tibetan Buddhism must get government approval

2007-08-02 23:20:23 Xinhua English

BEIJING, Aug. 3 (Xinhua) — All the reincarnations of living Buddha of Tibetan Buddhism must get government approval or the approval by the religious affairs department of the government, according to the State Administration for Religious Affairs (SARA).

The so-called reincarnated living Buddha without government approval or the approval of religious affairs departments are illegal and invalid, says SARA.

SARA issued a regulation on reincarnation of living Buddha of Tibetan Buddhism recently, stressing that it is an important move to institutionalize management on reincarnation of living Buddha. The regulation will become effective on Sept. 1.

The regulation is composed of 14 articles, including the principle, conditions, approval procedures, the duties and responsibilities of religious groups for reincarnation as well as punishment for those violating the regulation.

The regulation requires that temples which apply for reincarnation of living Buddha must be legally-registered venues for Tibetan Buddhism activities and are capable of fostering and offering proper means of support to the living Buddha.

All the reincarnation applications must be submitted to the religious affairs department of the provincial-level government, the provincial-level government, SARA, and the State Council, respectively, for approval in accordance with the fame and influence of the living Buddha in the religious circle, the regulation says.

Tibet became an administrative district directly under the central authorities of the Yuan Dynasty (1279-1368) in the 13th century. Kublai Khan of the Yuan Dynasty conferred the title of living Buddha on Vphag-pa, a religious leader in Tibet at that time. Since then, people began to call eminent monks in Tibet living Buddha.

SARA says the regulation is favor of guaranteeing normal religious activities of Tibetan Buddhism and protecting the religious belief of Tibetan Buddhism followers according to law.

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Cyanobacteria is the scientific name for blue-green algae□□□□□□□□□□Cyanobacterial toxins are the naturally produced poisons stored in the cells of certain species of cyanobacteria. □□□□□□□□□□□□□□□□□These toxins fall into various categories. Some are known to attack the liver (hepatotoxins) or the nervous system (neurotoxins); others simply irritate the skin. These toxins are usually released into water when the cells rupture or die.□Although many people have become ill from exposure to freshwater cyanobacterial toxins, death from algal-contaminated

drinking water is unlikely to occur given that water resources are usually effectively managed to control taste, odour and other algae-related problems. It’s possible that extended exposure to low levels of cyanobacterial hepatotoxins could have long-term or chronic effects in humans.

Although many people have become ill from exposure to freshwater cyanobacterial toxins, death from algal-contaminated drinking water is unlikely to occur given that water resources are usually effectively managed to control taste, odour and other algae-related problems. It’s possible that extended exposure to low levels of cyanobacterial hepatotoxins could have long-term or chronic effects in humans.

If you ingest water, fish or blue-green algal products containing elevated levels of toxins, you may experience headaches, fever, diarrhoea, abdominal pain, nausea and vomiting. If you swim in contaminated water, you may get itchy and irritated eyes and skin, as well as other hay fever-like allergic reactions. If you suspect you might have come into contact with cyanobacterial toxins and are experiencing any of these symptoms, rinse any scum off your body and consult your physician immediately.

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Boiling water does not remove toxins from the water. As it is impossible to detect the presence of toxins in the water by taste, odour or appearance, you must assume that they are present until testing is completed.

If there is a safe source of water available, don’t use contaminated water for washing clothes or dishes. If no alternative supply is available, use rubber gloves to avoid direct contact with the water. Bathing or showering in contaminated water

should be avoided, as skin contact with the algae can lead to skin irritation and rashes.□□

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[illegible]EXPLANATORY REPORTING[illegible]

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1. **A Primeval Tide of Toxins**

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[[illegible]] Greg Savige[illegible](
Lyngbya)[illegible]35[illegible]
[illegible]Greg Savige[illegible]

2. **Sentinels Under Attack**

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3. **Dark Tides, Ill Winds**

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4. **Plague of Plastic Chokes the Seas**

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5. [**A Chemical Imbalance**]()

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[illegible]INVESTIGATIVE REPORTING[illegible]

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□□□□□□BREAKING NEWS REPORTING□

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□□□□□□□□The Oregonian□□□□□□□□□□□□□□□□On the road, a family vanishes□□□□□□□□□□□□

> Two weeks ago, James and Kati Kim of San Francisco loaded their two children into the car and drove to the Northwest for Thanksgiving.
>
> □□□□□□□□James Kim□Kati Kim□□□□□□□□□□□□□□□□□□□□□□□□
>
> They spent the holiday with family in Seattle and then headed to Portland to visit friends. Their next stop was to be a hotel in Gold Beach on the Southern Oregon Coast before returning home.
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>
> They never made it. No one has heard from the Kims for a week.
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□□□Rescuers find mom, kids, but not dad□□

> A private rescue helicopter Monday plucked a California woman and her two young daughters from a snowy mountain road where they were stranded for nine days, spurring a frantic search into the night for her husband.
>
> □□□

Kati Kim, and her two daughters were in good condition, smiling and waving when she arrived at Three Rivers Community Hospital in Grants Pass.

Kati Kim[illegible]

The discovery narrowed the search for James Kim, who left for help Saturday and faces his third night alone in below-freezing temperatures in a little traveled 3,500-foot mountain pass of the Siskiyou National Forest.

[illegible]James Kim[illegible]3500[illegible]

2006[illegible]12[illegible]6[illegible]

[illegible]<u>[illegible]Kim[illegible]</u>[illegible]Fresh teams press search for Kim[illegible]

Fresh search teams are joining the hunt this morning for a San Francisco man who set out on foot Saturday to find help for his stranded family in the snowy Oregon Coast Range.

[illegible]James Kim[illegible]

Searchers tracking a creek in a steep canyon found a pair of gray pants Tuesday they think belonged to James Kim, 35, but his family said he was wearing them over a pair of jeans.

[illegible]35[illegible]James Kim[illegible]James Kim[illegible]

Searchers combing a cold, rugged canyon for the father of two missing for 12 days planned to lower a rescuer

into a chasm today to examine something else he may have left behind.

[illegible]12[illegible]James Kim[illegible]

2006[illegible]12[illegible]7[illegible]

[illegible][illegible]Missing dad’s body found[illegible]

The search for the missing San Francisco father lost in the Southern Oregon woods for 12 days came to an end at 12:03 p.m. Wednesday when his body was spotted at the bottom of a rugged canyon in the Siskiyou National Forest, a half mile from the Rogue River.

[illegible]12[illegible]12[illegible]03[illegible]Siskiyou[illegible]Rogue[illegible]

Searchers had hoped for a better outcome because of the pattern of clothes James Kim had left in his five-mile scramble down Big Windy Creek, a drainage that flows into the Rogue.

[illegible]James Kim[illegible]5[illegible]Rogue[illegible]

Authorities don’t know how or when Kim died but planned an autopsy Wednesday night. The results would be made public today.

[illegible]James Kim[illegible]

2006[illegible]12[illegible]8[illegible]

[illegible][Kim[illegible]2[illegible]](Kim likely dead 2 days before body found)[illegible]

> [illegible]James Kim[illegible]2[illegible]
>
> Deputy state medical examiner Dr. James Olson thinks 35-year-old James Kim probably died two days after he left his wife and two young daughters Saturday to find help.
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> [illegible]James Olson[illegible]35[illegible]James Kim[illegible]2[illegible]
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> “But that’s only an educated guess, given the conditions and how much exertion he put on his body to get through treacherous conditions,” Olson said. “It’s possible that we’ll never know exactly when he died.”
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[illegible][[illegible]](On the trail, for seven anxious days)[illegible]

2006[illegible]12[illegible]14[illegible]

[illegible][[illegible]James Kim[illegible]](BLM left gate open on road to Kims’ fate)[illegible]James Kim[illegible]

2006[illegible]12[illegible]17[illegible]

[illegible][[illegible]](Confusion hampered search for Kims)[illegible]James Kim[illegible]

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2. James Kim□□□□□

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Peter Hessler□□□□□□ Oracle Bones □

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Jeffrey A. Trachtenberg

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Peter Hessler

River Town: Two Years on the Yangtze Oracle Bones

River Town: Two Years on the Yangtze

Oracle Bones

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1.

Their attitude was that if my brother was released, 20 officials would suffer,” said Qin Yanqing, Mr. Qin’s elder brother. “But if he was executed, only one person would suffer.”

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2.

Changhong pressed Mr. Ji harder to make Mr. Hsu cooperate. Mr. Ji scoffed, saying he had already “fired” his partner on Changhong’s orders so there was little more he could do, according to the record of his detention.

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3.

“There’s no hurry,” the older judge added. “After all, it’s a life sentence.”

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4.

“Judges are confused,” she said. “It is not that they do not know how to do cases professionally. It is just all these relationships to coordinate. And they also have to weigh consequences.”

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5.

“I can’t guarantee that you will win the lawsuit - in fact you will almost certainly lose,” Mr. Gao told one church member who had been detained in a raid. “But I warn you that if you are too timid to confront their barbaric behavior, you will be completely defeated.”

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6.

“They heard how the government made promises but didn’t follow through,” Mr. Yu said. “Ten years later, nobody cared about them. The Nu River people were shocked.”

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7.

“I discovered that the law is what they say,” Li Yonglu said. “What they practice is power.”

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8.

“I want to die,” Mr. Wang said. “When I am dead, nobody can exploit me anymore. Right?”

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Open to Juniors, Seniors. & Graduates, of all Departments.

This Course is a study of the essence of life and of Literature, and the relation between them, in the two main aspects of Poetry and Philosophy. The discussion would also include certain problems of politics, morality, art, and religion.

Students shall read intensively certain selected and prescribed masterpieces of poetry and prose, of philosophy and literary criticism, as the basis of discussion in class, in which they are expected to join.

In addition, each student should read a list of books especially planned by the teacher for his individual purpose and interest, with a view to writing a thesis (for the

academic year) setting forth his own conclusions and findings in literary study and life experience.

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Aim & Purpose of “Literature & Life”

1. To give to the Students the Best of Myself——

—— of what I have read and heard;

of what I have thought and felt;

of my own Experience of Life, both direct and indirect.

2. To make the Students express themselves freely and happily in intimate and familiar Discussion-in-class.

3. To make the Students read certain fundamental good books which should be read by every good and intelligent man and woman.

   1. Suggested (full) List of Books.
   2. Prescribed (selected) List of Books.

4. To present pictures and accounts and criticisms and lessons of life, in the past - in the various periods of history (both in the East and West), in different walks of life, and by men of different temperament and character and social status.

5. To acquire, through practice and experiment, a method of Literary study and Expression.

Method of study: Suggestions to Students——

1. Read the Books independently but constantly.

2. No Note-taking ; Copy down the Outlines only.
3. Ask questions on Oral and Written form.

4. Answers to Exercises and Problems must be carefully thought out. but concisely expressed.

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Butcher: Aristotle’s Theory of Poetry and Fine Art

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The Works of William Shakespeare (□□□)

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Bunyan : Pilgrim’s Progress (Everyman’s Library)

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In Worker’s Death, View of China’s Harsh Justice

By JIM YARDLEY

YUJIAGOU, China - From the prison cell where he contemplated an executioner’s bullet, a migrant worker named Wang Binyu gave an anguished account of his wasted life. Unexpectedly, it rippled across China like a primal scream.

For three weeks, the brutal murders Mr. Wang committed after failing to collect unpaid wages were weighed on the Internet and in Chinese newspapers against the brutal treatment he had endured as a migrant worker. Public opinion shouted for mercy; lawyers debated the fairness of his death sentence. Others saw the case as a bloody symptom of the harsh inequities of Chinese life.

But then, in late September, the furor disappeared as suddenly as it had begun. Online discussion was censored and news media coverage was almost completely banned. Mr. Wang’s final appeal was rushed to court. His father,

never notified, learned about the hearing only by accident. His chosen defense lawyer was forbidden from participating.

“All of you are on the same side,” Mr. Wang, 28, shouted during the hearing, his father said in an interview here in the family’s home village in northern Gansu Province. “If you want to kill me, just kill me.”

On Oct. 19, they did. Mr. Wang was executed so quickly, and quietly, that it took weeks for the word to fully trickle out that he was dead.

China executes more people every year than the rest of the world combined. By some estimates, the number of executions is more than 10,000 a year. The government’s relentless death penalty machine has long been its harshest tool for maintaining political control and curbing crime and corruption.

But it has now become a glaring uncertainty about China’s commitment to the rule of law. There is widespread suspicion, even within the government, that too many innocent people are sentenced to death. This year, a raft of cases came to light in which wrongful convictions had led to death sentences, or, in one well-publicized case, the execution of an innocent man.

Reforming capital punishment has become a priority within the Communist Party-controlled legal system, partly because of international pressure to reduce abuses. Within the party-run legislative system, there is a broader debate about how to improve criminal law.

But achieving those reforms is hardly certain. Hard-liners are loath to restrict the power of the police and the courts to take a tough line. Death penalty reforms announced by the People’s Supreme Court - and broadly trumpeted in the

state news media - are mostly just a return to the status quo of 1980.

The case of Wang Binyu lacked the moral clarity of an innocent man wrongly convicted. He killed four people in a rampage after a final dispute over wages. But his saga of abuse and disdain from his bosses resonated deeply with a public disgusted with corruption and inequality and resentful of a legal system perceived as favoring the wealthy and well connected.

“Wang was forced to fight against those who exploit and tread on the poor,” one person wrote at a Chinese Web site. “Why is the law always tough on the poor?”

Mr. Wang’s case also illustrates how a system built for convictions has few safeguards or protections for a defendant facing death. Officials in the High Court of Ningxia Autonomous Region, the area in western China where the case was heard, refused several requests for interviews. But Wu Shaozhi, the Beijing lawyer who tried to represent Mr. Wang, said the Ningxia courts obviously wanted fast results.

Before the appeal, the Wang family signed power of attorney to Mr. Wu. But Mr. Wu said court officials had initially lied, telling him the appeal was over. Then they refused to let him enter the case. Instead, Mr. Wang was represented by a lawyer approved by the court.

Meanwhile, Mr. Wu noted, the same judges who heard the appeal also concurrently handled a mandatory final review of the case. It meant that judges were reviewing their own ruling - a practice that legal experts said is not uncommon and provided little real check and balance on the use of the death penalty.

“An unjust procedure will undoubtedly lead to unjust results,” Mr. Wu said.

China is wary enough about its death penalty system that it has long designated its number of executions as a state secret. A hint at the number came last year when a high-level delegate to the National People’s Congress publicly estimated that it was “nearly 10,000.” In 2004, Amnesty International documented at least 3,400 executions - out of 3,797 worldwide that year - but cautioned that China’s number was probably far higher. Outside scholars have put the annual number as high as 15,000.

In late October, the People’s Supreme Court announced that it would reverse a decision from the early 1980’s that ceded the final review on many death penalty cases to provincial high courts. Legal analysts say Deng Xiaoping, then the paramount leader, ordered the move out of anger that courts were moving too slowly to crack down on crime. The shift meant that provincial courts could often operate without any oversight.

Under the new policy, the People’s Supreme Court will reclaim responsibility for reviewing all capital cases. The state news media have estimated that executions could drop by as much as 30 percent - an estimate that could not be proved but that implied deep flaws within the current system.

“They feel that mistakes were made in so many cases,” said Yi Yanyou, an associate professor at Tsinghua University Law School, in explaining the motive for the change. Mr. Yi said the new changes would be meaningful, but did not represent reform, because they merely re-established central control. One idea for a change that he offered was to

require unanimous consent among judicial panels making final reviews.

He Weifang, a liberal constitutional scholar at Beijing University, said the new changes should improve the review process, but argued that only deeper constitutional reform, to establish a more independent judiciary, could remove the political pressures that can seep into many high-profile death cases.

Out in the arid hills of southern Gansu where farmers scratch a living from soil that seems as fertile as chalk, Mr. Wang's family is unaware of such legal debates. At age 15, Mr. Wang left home for migrant work after a childhood marred by poverty and tragedy. When he was a young child, his mother died after an infection from a botched sterilization. Family planning officials had ordered the procedure after she gave birth to Mr. Wang's younger brother. The family sued, without success.

Mr. Wang worked at a succession of migrant jobs until he took a job three years ago wrapping steel pipes in the power plant of a factory in Ningxia. His younger brother, Binyin, who also worked at the factory, described the bosses as brutal men who beat Binyu and later mocked him when he became sick with ulcers.

The bosses also withheld Binyu's salary for two years, a problem common to migrant workers. This spring, his father called to say he urgently needed surgery for a leg fracture. The brothers decided to quit and return home. But first they needed to collect more than $1,000 in unpaid wages.

For weeks, Wang Binyu approached the bosses to collect the money. At one point, Wu Hua, a foreman, promised to pay the brothers if they would work a few more weeks. They did

so, but still were not paid. “Once, my brother went to the bosses and began crying and begging them to pay him,” Wang Binyin said.

Finally this May, the factory boss, Chen Jiwei, relented and paid the 2004 salary, but only after making large deductions for fees and boarding expenses. He then refused to pay the 2005 wages until next year.

Frustrated, Wang Binyu sought help from the local labor bureau, but was told it had no jurisdiction. He went to the courts, but was told a legal case would take months. He then returned to the labor bureau, where a senior official agreed to intervene and persuaded a boss, Wu Xinguo, to pay the back wages within five days. It seemed like a victory.

But after leaving the labor bureau, Wu Xinguo barred the brothers from their dormitory. Later that night, locked out of their room, the brothers began beating on Wu Xinguo’s door to demand payment. Wu Hua, the foreman, and others soon arrived and tried to run off the Wang brothers. The group began pushing and slapping Wang Binyu until a fight broke out. Wang Binyu, who was carrying a fruit knife, exploded in a rage that would end with four people dead and one injured.

Wang Binyin said he tried to pull his older brother away. He recalls saying: “You can’t do this. We still have an old father at home. What am I going to do?” When the rampage ended, Wang Binyu tossed his knife in the Yellow River and turned himself in at a local police station. As it turned out, the two top bosses - Mr. Chen and Wu Xinguo - escaped harm.

Mr. Wang’s initial trial, on June 29, ended with a death sentence. His family was not notified of the trial date and did not attend. He seemed destined to be one of the thousands of people executed each year with little public notice. But on Sept. 4, the New China News Agency, the government’s news service, published a jailhouse interview with Mr. Wang that was astonishing for its content and for the mere fact that it was printed.

“I want to die,” Mr. Wang said. “When I am dead, nobody can exploit me anymore. Right?”

Of his crime, Mr. Wang said, “I just could not take it any longer. I had taken enough from them.” But, he later added, “I should not have killed the other people. I did not mean to let it happen.”

Finally, he offered a lament for his fellow migrant workers. “My life is a small thing,” he said. “I hope that society will pay attention and respect us.”

Chinese journalists say the authors of the article picked the case because they thought it dovetailed with a campaign by Prime Minister Wen Jiabao to help peasants. Newspapers, assuming the interview signaled official approval, jumped on the story.

Interviews with legal scholars followed, with some arguing that the system should be nimble enough to give Mr. Wang a more lenient sentence. Internet discussion boards were filled with indignation.

But the coverage was put to a sudden stop. Internet search engines were ordered to censor Wang Binyu’s name, and newspapers were told to drop the story before the appeal was heard in late September. Most likely, the public outrage had alarmed central government officials who did not want

to see a death sentence so openly questioned. From his jail cell, Wang Binyu told his younger brother that he thought local officials were eager to execute him, because a reversal of the death sentence could harm their careers.

The appeal was held in secret. Mr. Wang's father, Wang Liding, happened to bring his son a pair of shoes a day earlier. Otherwise, he would not have known. At one point, the father said that he shouted out during the proceeding because prosecutors said his son's wages had been fully paid. The elder Mr. Wang was briefly removed after the outburst.

Now, the family has still not collected the unpaid wages owed the dead son. Donations have helped them build a new room on their crumbling house. The father has wrapped the green booklet certifying his son's cremation in folded paper. It is his last record of his son.

In October, before the execution, court officials in Ningxia called the father with what he thought was good news. He was told he could come collect his son's unpaid salary. He traveled for more than a day to Ningxia from Gansu. But when he arrived, he found that the lure of wages had been a lie. Officials wanted him to sign his son's execution warrant.

Illiterate, the father could only smudge the paper with his thumb.

"It was wrong of him to kill people," the father said. "But there was a cause."

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When Chinese Sue the State, Cases Are Often Smothered

By JOSEPH KAHN

SHIQIAO, China - The peasants surrounded the clerk in the busy court anteroom, badgering him to let them sue the officials who had seized their land.

No, no, the clerk said, shaking his head and waving his hands, as the peasants recalled it. They were wasting his time and theirs. But as they withdrew, their legal papers remained on his desk in plain sight. Maybe, the peasants hoped, that meant the clerk had tacitly accepted their application to sue.

“In two years of trying every option under the law, this was a moment of optimism,” said Li Huitang, a leader of peasant resistance in Shiqiao, a village in Hebei Province, in northern China. “We hoped he might rule on our request.”

Even a written rejection would have been a bonanza, enabling them to appeal to a higher court. But it was not to be. The clerk soon called Mr. Li’s home, ordering him to retrieve the documents. When Mr. Li declined, the clerk mailed them back in a plain manila envelope, unmarked, unprocessed and officially ignored.

China’s legal system often hands down verdicts that the powerless consider unfair. But a bigger problem is that courts often refuse to issue any verdict at all - or even acknowledge that some bothersome legal complaints exist.

The English translation is simply “put on the record” or “register a case,” but in China “li’an” is so fraught with official meddling that for many with complaints against the government, the judicial system is closed for business.

Since Communist China first created the semblance of a modern legal system a quarter-century ago, criminal cases - the state suing individuals - mostly go through the courts. Private citizens and businesses now often resolve civil disputes in court. But the third and most sensitive use of the judicial system, a 1989 statute that entitles people to sue the state, remains a beguiling fiction, scholars say.

“The number of people wanting to sue the government is large and growing,” says Xiao Jianguo, a legal scholar at People’s University in Beijing who has studied the issue. “But the number of people who succeed in filing cases against the government is miniscule. So you could say there is a gap between theory and practice.”

Though fast-rising China wants to persuade the outside world that it is governed by law, pressure to improve the system comes mainly from within. Protests are erupting around the country over land seizures, pollution, corruption and abuse of power, with 74,000 officially recorded incidents of mass unrest in 2004.

China’s leaders know they need to manage such unrest. Indeed, President Hu Jintao says “democratic rule of law” is a crucial ingredient of his plan to build a “harmonious society.”

Such pledges spread awareness of legal rights, but have yet to change legal procedures. It is not clear how many protests follow failed attempts to settle disputes in court. But lawyers say the judicial system bars its doors to so many contentious cases that it effectively forces people to take to the streets.

That is what happened here in Shiqiao, where residents protesting the loss of prime farmland for a government-backed road, office and residential development tried suing to protect their land-use rights.

They met Kafkaesque obstacles at every turn. The only party that used the courts successfully was the state-linked construction company. It won an injunction in March declaring peasants’ protests illegal.

Every Man for Himself

On the scale of land deals in China today, where hundreds of thousands of acres of farmland are converted each year into factories, shopping malls and housing, Shiqiao’s 33 acres are just a tiny window box along the bank of the muddy Fuyang River in southern Hebei Province.

Yet the dark, fertile soil and good irrigation made it prime land for growing vegetables. Scores of families depended on small plots there to earn a steady income selling cabbages, cucumbers and beans to city dwellers nearby.

That was true until early 2004, just before spring planting, when the Fengfengkuang district of Hebei instructed peasants in Shiqiao to stay off their land. The Binhai Construction Company, linked to the district’s construction bureau, was to build a road and housing there to “raise the city’s status.” Farmers who lost land would be compensated

according to the National Land Management Law, a government notice said.

For villagers, it was a call to arms. Peasants cannot own their land outright. Their land-use contracts remain firmly under the government’s thumb, nominally to guard against the loss of arable land.

The controls actually provide a perverse incentive for local officials to seize and develop as much farmland as possible. Farmers need only be compensated for lost farm income, generally far below soaring real estate market values. Government-linked middlemen can make a fortune.

“It’s every man for himself,” says Li Yonglu, a 64-year-old resident who has taken part in the campaign against the Fengfengkuang district government. “You get what you fight for, and no more.”

Officials in Fengfengkuang did not respond to requests to talk about the matter. But in official documents and propaganda posters, they said that the development of Shiqiao’s land met all local and national requirements and that peasants were compensated fairly.

The district did offer compensation, from $2,500 to $5,000 a mu, a sixth of an acre. But local rumors had it that the market value exceeded $35,000 a mu and that government agents were pocketing the difference.

Some villagers took the money. Others refused to cooperate. Mr. Li, who wears a French-style beret and once served as the leader of a collective farming brigade in Shiqiao, spurred opposition. He was joined by Li Huitang, a heavyset, gregarious man of 45. They share a family name but are not directly related.

The two men filmed a short documentary praising their ancient alluvial soil. A narrator, speaking in a deep baritone, recited central government policies to prevent the loss of farmland.

Beijing seemed like a possible ally. In the spring of 2004, the National People’s Congress, the party-controlled legislature, passed China’s first property rights law. Newspapers and television broadcasts heralded the leadership’s commitment to govern “according to law.” In Shiqiao, the principles seemed abstract, but potent.

The local activists read national land laws and concluded that the laws protected their land-use contracts. The local government could not cancel those contracts against their will, they said.

They decided to sue. An attorney in a neighboring city drafted the lawsuit. The two Mr. Lis brought it to Fengfengkuang’s court. A clerk read their application, then disappeared for consultations. When he returned, he said the court would take the case, but only if they paid a filing fee of $2,300.

The fee, several times their annual per capita income, seemed intended to scare them away. And in fact many villagers scoffed at paying even a small share. But the Lis rallied 11 families to join them. By the summer of 2004, they had the money. The case was established.

That proved to be the low hurdle. Months passed with no trial date. They demanded explanations. Finally, early this year, they were granted an audience with Chen Xiuying, the top local court official.

Ms. Chen, according to Li Huitang and two others who attended the meeting, struck a sympathetic tone. The court

would like to see the case go to trial, but the matter was unfortunately too sensitive.

“She told us the court did not have the power to challenge the government,” Li Huitang said. “It might be better for everyone if we withdrew the case. She said if we did, she would refund the fee.”

Ms. Chen, reached in her court office, hung up the phone when asked about the exchange. Her phone was later answered by someone else, who said Ms. Chen had left town on business.

Mr. Li said he declined to withdraw: “I told her the law is either a tool that can be used by the people, or it isn’t. You can’t offer it and then take it away.”

Street Justice

Binhai Construction did not wait on the courts. It laid a broad new road, paved in concrete, through Shiqiao’s old vegetable plots. Other sections were cordoned off by a high wall, decorated with billboards that show a river flowing through rich fall foliage. Behind the wall, high-rise residences sprouted.

Frustrated by the court setback, the two Mr. Lis began a campaign of civil disobedience. They planted themselves in front of bulldozers, harassed workers and generally disrupted construction.

On March 18, Binhai filed its own civil lawsuit naming Li Yonglu as a defendant, seeking an injunction against his interference. Four days later, the court issued a peremptory ruling without trial. Li Yonglu’s actions were declared illegal.

Local officials distributed copies of the ruling to every resident in Shiqiao, villagers said. A party boss read the text of the decision over the village's loudspeakers.

It did not stop the Lis. They and other villagers said they were outraged that the court acted so quickly after suppressing their own suit.

"I discovered that the law is what they say," Li Yonglu said. "What they practice is power."

On March 25, Fengfengkuang dispatched the local police and paramilitary troops to stop the interference. The deployment brought hundreds of villagers from their homes. A tense standoff turned into a minor riot when the police confiscated cameras some local residents were using to record the event, participants said.

Li Huitang's younger brother said he suffered a gash in his forehead when police officers ripped his camera off his neck. An elderly man fell and was trampled, photographs show.

Villagers turned unruly and began smashing windows and trying to overturn police cars. Fifteen local residents went to jail; three remain behind bars nine months later, relatives said.

Such conflagrations have become a fixture of rural life in boom-time China. Many go unnoticed or face reporting bans in the national news media.

But shortly after the Shiqiao protest, in nearby Dingzhou City, a government effort to quell a land protest captured attention all over China. Hundreds of hired thugs armed with hunting rifles and clubs forced villagers to give up land for a power station. Six farmers died and dozens were injured in a bloody crackdown captured by a farmer's video camera.

For Beijing, that went too far. The Communist Party boss in Dingzhou and 26 others went on trial for the killings in early December.

China’s top judge, Xiao Yang, also inspected Hebei’s courts following the Dingzhou incident. He told state news outlets that the courts too often treated important cases as “hot potatoes” better left untouched, marginalizing the judicial system. “If the courts bow to the government every time, the people will have no faith in the judicial process,” he warned.

Neither Yes Nor No

Those sentiments seem to be widely held among officials at the top. There is little evidence, however, that Hebei heeded his warning, at least when cases threatening strong local interests came before the courts.

The two Mr. Lis gave the law another try. This time they found a prominent Beijing-based attorney, Zhou Shifeng, who often pursues difficult cases against the authorities.

After an investigation, Mr. Zhou concluded that the Binhai project violated national land laws, which require State Council approval to develop prime farmland. They could sue Hebei Province for allowing the project to proceed, he said.

Mr. Zhou had low expectations. China’s administrative law stipulates that cases against a local government must be filed first in its jurisdiction, where local party bosses hold sway. It can be appealed, but only after the local court rules or rejects the case.

Courts legally must issue written rejection notices if they choose not take the case. But to avoid appeals, court clerks often decline to take possession of legal papers. No

rejection notice is needed if the case does not, in China’s political-legal cosmos, formally exist.

“The law is absurd,” Mr. Zhou said. “But it is the only way.”

In September Mr. Zhou, the two Mr. Lis and other villagers gathered at court in Shijiazhuang, Hebei’s provincial capital. Qian Rendong, a court clerk, received them.

They pleaded their case: they had legal right to sue; local officials had violated national land laws; their hope of obtaining justice depended on him.

Mr. Qian, they said, was polite, but stubborn. He browsed through their papers and asked some questions, but in the end gave no ground. He urged them to appeal to higher authorities through the petition system rather than the courts.

But whether out of deference or a simple oversight, he did not, as their session ended, hand back their documents. Technically, it seemed, he had accepted their application to sue.

“We talked excitedly among ourselves as we left the court,” Li Yonglu said. “It seemed like a first step.”

Two days later, Mr. Qian called Mr. Li’s home. The papers must be collected immediately or he could not guarantee their safety. The case would not be registered and there would be no rejection notice, either.

Mr. Zhou advised Mr. Li to stay home. They would press the clerk to reject the case in writing. Mr. Li said he was nervous - original documents he had spent months compiling were in the clerk’s possession - but he held back.

The risk, though, was not that the documents would be destroyed, but rather that they would be disregarded. Two weeks later they arrived by mail, incognito, at Mr. Zhou's office in Beijing.

In Shiqiao's land case, it was the only verdict the court would render.

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Seeking a Public Voice on China’s ‘Angry River’

By JIM YARDLEY

XIAOSHABA, China - Far from the pulsing cities that symbolize modern China, this tiny hillside village of crude peasant houses seems disconnected from this century and the last. But follow a dirt path past a snarling watchdog, sidestep the chickens and ducks, and a small clearing on the banks of the Nu River reveals a dusty slab of concrete lying in a rotting pumpkin patch.

The innocuous concrete block is also a symbol, of a struggle over law that touches every corner of the country.

The block marks the spot on the Nu River where officials here in Yunnan Province want to begin building one of the biggest dam projects in the world. The project would produce more electricity than even the mighty Three Gorges Dam but would also threaten a region considered an ecological treasure. This village would be the first place to disappear.

For decades, the ruling Communist Party has rammed through such projects by fiat. But the Nu River proposal, already delayed for more than a year, is now unexpectedly presenting the Chinese government with a quandary of its own making: will it abide by its own laws?

A coalition led by Chinese environmental groups is urging the central government to hold open hearings and make public a secret report on the Nu dams before making a final decision. In a country where people cannot challenge decisions by their leaders, such public participation is a

fairly radical idea. But the groups argue that new environmental laws grant exactly that right.

“This is the case to set a precedent,” said Ma Jun, an environmental consultant in Beijing. “For the first time, there is a legal basis for public participation. If it happens, it would be a major step forward.”

China’s leaders often embrace the concept of rule of law, if leaving open how they choose to define it. For many people in China’s fledgling “civil society” - environmentalists, journalists, lawyers, academics and others - the law has become a tool to promote environmental protection and to try to expand the rights of individuals in an authoritarian political system.

But trying to invoke the law is risky. Chinese nongovernmental organizations, few of which existed a decade ago, have taken up the Nu as a major cause. But the activism on the Nu and other issues has provoked deep suspicions by the Communist Party even as a broader clampdown against such NGO’s has forced some to shut down. The government knows China has a drastic pollution problem and has passed new environmental laws. But top leaders also demand high economic growth and need to increase energy supplies to get it. The “green laws” are becoming a crucible to test which side will prevail and whether ordinary people can take part in the process.

The closed process that led to the Three Gorges Dam is what opponents of the Nu dams most want to avoid. In the late 1980’s, a wide range of intellectuals and others tried in vain to force public hearings to discuss the environmental and social costs of a project that has flooded a vast region and forced huge relocations. Ultimately, opponents could only muster a symbolic victory as the final vote in the

National People’s Congress included an unusually high number of abstentions or nay votes.

The central government is still deliberating how to proceed on the Nu. Domestic media coverage has been banned in recent months. Three central government ministries refused interview requests, as did provincial officials in Yunnan. Local officials along the Nu River, after initially agreeing to an interview, failed to reply to a list of written questions.

Out in the jagged mountains along China’s remote southwestern border, villagers in Xiaoshaba gather information about their future from rumors. In early December, a team of surveyors inventoried property and measured the narrow terrace of village farmland along the Nu. Several villagers say local officials have told them that everyone would be relocated around the upcoming Lunar New Year holiday, which ends in early February - even if the dams have not yet been approved.

“If they tell me to move,” said one villager, Zhang Jianhua, “I have no other choice.”

A Legal Reprieve

In the spring of 2003, a slender, studious man named Yu Xiaogang learned that the hydropower industry was eyeing the rivers of southwestern China. Mr. Yu, an environmental resources manager, knew that China believed that hydropower was a cleaner alternative for its energy shortages and that the Nu was considered one of the country’s richest, untapped resources. But he and others believed that the Nu would be untouchable.

The Nu, which translates as Angry River, roars out of the Tibetan Plateau east of the Himalayas and plunges through steep canyons just inside the border with Myanmar,

formerly Burma, as it careers south before crossing the border.

In China, it passes through a mountainous region with more than 7,000 species of plants and 80 rare or endangered animals and fish. Unesco said the region “may be the most biologically diverse temperate ecosystem in the world” and designated it a World Heritage Site in the summer of 2003.

“We were very happy because we thought the Nu would be protected and would have no problems,” said Mr. Yu, who also led Green Watershed, an environmental NGO.

But not long after the World Heritage designation, a state-run provincial newspaper announced that a public-private consortium planned to build 13 dams on the river. The project would be the largest cascade dam system in the world, and it appeared politically unstoppable.

The majority partner, the China Huadian Corporation, was a state-owned goliath; the local government was a minority partner. In Beijing, the State Development and Reform Commission, a powerful government ministry, had approved the dams in August and planned to present the plan to the State Council, or the Chinese cabinet, for final approval. Construction would begin in September 2003.

The environmental community was blindsided. More than 50,000 people, most of them from ethnic minority hill tribes, would be relocated. The Nu also was one of only two free flowing rivers in China. The State Environmental Protection Administration, or SEPA, the country’s environmental watchdog, criticized the project in its official newspaper. But SEPA was considered one of the weakest ministries in the central government.

Then, a snag arose - a bureaucratic delay, hardly uncommon in China. August became September and the proposal had not yet been presented for final approval. During the delay, a new environmental law took effect on Sept. 1. Based on an American model, the China Environmental Impact Assessment Law required comprehensive environmental reviews in the planning stages of major public and private development projects.

Decades of relentless economic growth had left China with dire pollution problems and squandered natural resources. President Hu Jintao had made “sustainable development” a new government mantra. The assessment law gave the environmental agency new powers to handle and approve environmental reviews before a project was approved. It also called for public participation, including hearings, as part of the review, though it did not detail specific guidelines.

But it would take public pressure to force action on the Nu case. Despite its uniqueness and natural beauty, the Nu was not well known, largely because of its isolated location.

In September 2003, an environmental conference in Beijing brought together academics, government environmental officials and NGO’s to discuss the Nu. A month later, Pan Yue, the outspoken vice minister of the environmental agency, organized China’s first “Green Forum,” a public relations event that included Chinese music and film stars.

One person at the forum was a woman named Wang Yongchen, a member of Green Earth Volunteers, an environmental NGO in Beijing. Initially, the Green Earth Volunteers had concentrated on tree planting and teaching children about the environment. But in recent years, the

group had participated in efforts to stop a dam proposal in Sichuan Province.

At the forum, Ms. Wang persuaded 62 celebrities and film stars to sign a petition in support of “natural” rivers. She would later donate money to build 30 libraries in poor villages along the Nu.

By early 2004, the controversy had attracted worldwide interest as 60 international organizations agreed to lobby the Chinese government about the Nu. Hundreds of volunteers in China called Unesco to protest the dam proposal. The country’s most prominent NGO, Friends of Nature, embraced the cause, while an environmental group in Sichuan collected more than 10,000 signatures to stop the project.

But the crucial factor was the Sept. 1 law. As the project appeared to be nearing approval, biologists, academics and environmentalists all argued that the government had not properly conducted an environmental review.

In late winter, as Ms. Wang guided a tour of Chinese journalists, her cellphone rang. A friend informed her that Prime Minister Wen Jiabao had temporarily suspended the project so that it could be “carefully discussed and decided on scientifically.”

Ms. Wang began to cry with joy. Later, some Chinese newspapers speculated that Mr. Wen’s edict meant that the project was dead.

Mr. Yu thought otherwise.

“I thought this was the first success of public participation,” he said. “But I did not think the decision was final.”

Opening a Closed Process

Located a short drive from the city of Liuku, Xiaoshaba is like countless poor villages along the Nu. Peasants live in crude homes, some under the same roof as their livestock and chickens. Some villagers have never gone farther than Liuku; some have never left the village. But on a May afternoon in 2004, a bus arrived. Inside was Yu Xiaogang, and he wanted to take villagers on a trip.

The prime minister’s order to suspend the project had stunned developers and provincial officials. A delegation had hurried to Beijing to try to restart the process. At the same time, the government’s environmental agency focused on the assessment review.

Mr. Yu was anxious to get villagers involved because the law had highlighted public participation. Most villagers knew nothing about the project or how it would change their lives.

“I thought we must let the Nu River people have their voice,” Mr. Yu said.

So he offered to take a small group of villagers to the site of the Manwan Dam on the upper reaches of Mekong River in the southern Yunnan. In 2002, Mr. Yu had written an assessment of the social costs of the Manwan project, a report later endorsed by the prime minister at the time, Zhu Rongji. Leaving from Xiaoshaba, Mr. Yu took 14 peasants on a daylong journey to the Manwan, where they found many people living as scavengers.

“They heard how the government made promises but didn’t follow through,” Mr. Yu said. “Ten years later, nobody cared about them. The Nu River people were shocked.”

Mr. Yu later led a small group of peasants to a Beijing hydropower conference jointly sponsored by the United Nations and China’s National Development and Reform Commission. As several speakers extolled the virtues of dams, the dusty group of peasants sat in the upper reaches of the auditorium. Mr. Yu was allowed to speak at a sub-session of the conference. The villagers had practiced giving speeches but were not granted a speaking slot.

Meanwhile, momentum seemed to be shifting in favor of dam supporters. Prime Minister Wen had visited Yunnan to confer with provincial officials. Two prominent scholars toured the Nu - on a trip sponsored by dam developers - and attracted wide public attention by attacking the environmentalists.

But that criticism was insignificant compared to a broader governmental crackdown under way against nongovernmental organizations.

In the spring of this year, President Hu ordered an intensive examination of NGO’s because of concerns of the role that environmental groups had played in helping to topple governments in Central Asia. In a secret speech to top officials, Mr. Hu warned that the United States was using such groups to try to foment social unrest.

Before, NGO’s had hoped that onerous licensing restrictions were about to be repealed. Instead, environmental groups and other NGO’s across the country were closely scrutinized, with some losing their licenses. Some groups began to fear that the “legal space” granted to the civil society would be tightened, or closed.

In Yunnan, officials began to pressure opponents. Mr. Yu would not comment about whether he had come under

pressure. But acquaintances say he that has been forbidden from traveling to international conferences and that officials have put pressure on him.

In Beijing, the environmental assessment report was finished by this summer. But the Ministry of Water Resources, noting that government reports about international rivers were considered proprietary information, declared a small section of the assessment to be a state secret and forbade its release.

Dam opponents said the section could remain secret but argued that publicizing the rest of the report was essential for public discussion of the project. The government still had not outlined the potential environmental risks or explained what would happen to relocated villagers.

So on Aug. 31, opponents mailed a letter to the State Council and later posted it on the Internet. It cited Chinese law and said any decision without public participation “lacks public support and cannot tolerate history’s scrutiny.”

Nearly four months later, the government had not responded.

An Uncertain Future

A traffic sign on the narrow, unpaved road that passes through Xiaoshaba carries a propaganda message: “A Model Village for Democratic Rule of Law.” A short walk away, beside the concrete block marking the proposed first dam, Guan Fulin, 55, said she had spoken to the surveyors who measured the village land in early December.

“The officials told us it is definitely going to happen,” Mrs. Guan said. She trusted that the government would take care of her but admitted that she did not yet know how she

would be compensated or where she would go. Pointing to the village, she said, “All these people will be moving.”

If so, it would likely signal the start of a hydropower gold rush in Yunnan Province. One study estimated that China might build enough new dams, most of them in Yunnan, to double its hydroelectric output in the next five years. One plan would inundate one of the most popular tourist attractions in China - Tiger Leaping Gorge.

Part of the frenzied hydropower development is driven by the thirst for new energy supplies. But part of it is caused by the breakup of the state monopoly that once controlled electrical generation in China. That breakup left regional state-owned energy giants who were each assigned “assets” - like rivers or coal deposits. Each faces competitive pressures to develop new power plants quickly in order to claim market share.

Mr. Ma, the environmental consultant in Beijing, said environmentalists understood that China faced a complex challenge in developing new energy sources even as it must reduce pollution. But he said this intense pressure to develop was why laws that provide oversight and public review must serve as safeguards.

“Before the Nu River proposal, you would hear about opposition to certain projects,” Mr. Ma said. “But it was all based on the tremendous courage of individuals. This time, we see progress in Chinese law that makes it possible for a more systemic challenge.”

He added: “There is now more awareness of environmental rights and the rights of people as citizens. For such a major problem, they believe they have the right to know about it and at least have their views heard.”

The dispute over the Nu seems at a standstill. Ultimately, the decision on holding hearings may fall to the prime minister. Earlier this year, Unesco issued a statement expressing its “gravest concerns” about the potential damage to the World Heritage Site. In October, environmentalists boycotted a dam conference linked to the National Reform and Development Commission. Organizers had promised to show parts of the assessment report, but environmentalists believed it was an effort to avoid full public hearings.

Ms. Wang, of the NGO Green Earth Volunteers, described the dilemma in simple terms.

“If the law is not enforced, what shall we do?” she asked. “We have this law. Why doesn’t this law work?”

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Legal Gadfly Bites Hard, and Beijing Slaps Him

By JOSEPH KAHN

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BEIJING, Dec. 12 - One November morning, the Beijing Judicial Bureau convened a hearing on its decree that one of China’s best-known law firms must shut down for a year because it failed to file a change of address form when it moved offices.

□□□ /Gao /Zhi /sheng, right, an aggressive lawyer harassed by

Beijing, in a secret location in northern China.

The same morning, /Gao /Zhi /sheng, the firm’s founder and star litigator, was 1,800 miles away in Xinjiang, in the remote west. He skipped what he called the “absurd and corrupt” hearing so he could rally members of an underground Christian church to sue China’s secret police.

“I can’t guarantee that you will win the lawsuit - in fact you will almost certainly lose,” Mr. Gao told one church member who had been detained in a raid. “But I warn you that if you

are too timid to confront their barbaric behavior, you will be completely defeated."

The advice could well summarize Mr. Gao's own fateful clash with the authorities. Bold, brusque and often roused to fiery indignation, Mr. Gao, 41, is one of a handful of self-proclaimed legal "rights defenders."

He travels the country filing lawsuits over corruption, land seizures, police abuses and religious freedom. His opponent is usually the same: the ruling Communist Party.

Now, the party has told him to cease and desist. The order to suspend his firm's operating license was expanded last week to include his personal permit to practice law. The authorities threatened to confiscate it by force if Mr. Gao fails to hand it over voluntarily by Wednesday.

Secret police now watch his home and follow him wherever he goes, he says.

He has become the most prominent in a string of outspoken lawyers facing persecution. One was jailed this summer while helping clients appeal the confiscation of their oil wells. A second was driven into exile last spring after he zealously defended a third lawyer, who was convicted of leaking state secrets.

Together, they have effectively put the rule of law itself on trial, with lawyers often acting as both plaintiffs and defendants.

"People across this country are awakening to their rights and seizing on the promise of the law," Mr. Gao says. "But you cannot be a rights lawyer in this country without becoming a rights case yourself."

Ordinary citizens in fact have embraced the law as eagerly as they have welcomed another Western-inspired import, capitalism. The number of civil cases heard last year hit 4.3 million, up 30 percent in five years, and lawyers have encouraged the notion that the courts can hold anyone, even party bosses, responsible for their actions.

Chinese leaders do not discourage such ideas, entirely. They need the law to check corruption and to persuade the outside world that China is not governed by the whims of party leaders.

But the officials draw the line at any fundamental challenge to their monopoly on power.

Judges take orders from party-controlled trial committees. Lawyers operate more autonomously but often face criminal prosecution if they stir up public disorder or disclose details about legal matters that the party deems secret.

The struggle of Mr. Gao and others like him may well determine whether China's legal system evolves from its subordinate role into something grander, an independent force that can curtail abuses of power at all levels and, ultimately, protect the rights of individuals against the state.

"We have all tried to shine sunlight on the abuses in the system," says Li Heping, another Beijing-based lawyer who has accepted political cases. "Gao has his own special style. He is fearless. And he knows the law."

An Air of Authority

Mr. Gao can cite chapter and verse of China's legal code, having committed it to memory in intensive self-study. He is an army veteran and a longtime member of the Communist Party.

On a recent trip to rural Shaanxi Province, where he sneaked into a coal mine to gather evidence in a lawsuit against mine owners, he wore a crisp white shirt and tie and shiny black loafers, as if preparing for a day in court.

He is also a flagrant dissident. Tall and big-boned, he has the booming voice of a person used to commanding a room. When he holds forth, it is often on the evils of one-party rule. “Barbaric” and “reactionary” are his favorite adjectives for describing party leaders.

“Most officials in China are basically mafia bosses who use extreme barbaric methods to terrorize the people and keep them from using the law to protect their rights,” Mr. Gao wrote on one essay that circulated widely on the Web this fall.

After an early career that racked up notable courtroom victories, he has plunged headlong into cases that he knows are unwinnable. He has done pro bono work for members of the F*l*n G**g religious sect, displaced homeowners, underground Christians, fellow lawyers and democracy activists. When the courts reject his filings, as they often do, he uses the Internet to rally public opinion.

His fevered assaults have a messianic ring. But although he became a Christian this fall and began attending services in an underground church, the motivation to pursue the most sensitive cases - and put his practice and possibly his freedom at risk - began a couple of years earlier. It was then that his idealistic beginnings as a peasant boy turned big-city lawyer gave way to simmering rage.

Mr. Gao was born in a cave. His family lived in a mud-walled home dug out of a hillside in the loess plateau in Shaanxi Province, in northwestern China. His father died at age 40.

For years the boy climbed into bed at dusk because his family could not afford oil for its lamp, he recalled.

Nor could they pay for elementary school for Mr. Gao and his six siblings. But he said he listened outside the classroom window. Later, with the help of an uncle, he attended junior high and became adept enough at reading and writing to achieve what was then his dream: to join the People’s Liberation Army.

Stationed at a base in Kashgar, in Xinjiang region, he received a secondary-school education and became a party member. But his fate changed even more decisively after he left the service and began working as a food vendor. One day in 1991 he browsed a newspaper used to wrap a bundle of garlic. He spotted an article that mentioned a plan by Deng Xiaoping, then China’s paramount leader, to train 150,000 new lawyers and develop the legal system.

“Deng said China must be governed by law,” Mr. Gao said. “I believed him.”

He scraped together the funds to take a self-taught course on the law. The course mostly required a prodigious memory for titles and clauses, which he had. He passed the tests easily. Anticipating a future as a public figure, he took walks in the early morning light, pretending fields of wheat were auditoriums full of important officials. He delivered full-throated lectures to quivering stalks.

By the late 1990’s, though based in remote Xinjiang, he developed a winning reputation. He represented the family of a boy who sank into a coma when a doctor mistakenly gave him an intravenous dose of ethanol. He won a $100,000 payout, then a headline-generating sum, in a case

involving a boy who had lost his hearing in a botched operation.

He also won a lawsuit on behalf of a private businessman in Xinjiang. The entrepreneur had taken control of a troubled state-owned company, but a district government used force to reclaim it after the businessmen turned it into a profit-making entity. China’s highest court backed the businessman and Mr. Gao.

“It felt like a golden age,” he said, “when the law seemed to have real power.”

That optimism did not last long. His victory in the privatization case made him a target of local leaders in Xinjiang, who warned clients and court officials to shun him, he said. He moved to Beijing in 2000 and set up a new practice with half a dozen lawyers. But he said he felt like an outsider in the capital, battling an impenetrable bureaucracy.

The Beijing Judicial Bureau, an administrative agency that has supervisory authority over law firms registered in the capital, charged high fees and often interfered in what he considered his private business.

One of his first big cases in Beijing involved a client who had his home confiscated for a building project connected with the 2008 Summer Olympics. Like many residents of inner-city courtyard homes, his client received what he considered paltry compensation to make way for developers.

When Mr. Gao attempted to file a lawsuit on his client’s behalf, he was handed an internal document drafted by the central government that instructed all district courts to reject cases involving such land disputes. “It was a blatantly

illegal document, but every court in Beijing blindly obeyed it," he said.

In the spring of 2003, Beijing was panicking about the spread of SARS, a sometimes fatal respiratory affliction, and Mr. Gao was fuming about forced removals. He gave an interview to a reporter for The China Economic Times arguing that SARS was much less scary than collusion between officials and developers.

"The law is designed precisely to resolve these sorts of competing interests," he said in that interview. "But their orders strip away the original logic of the law and make it a pawn of the powerful and the corrupt."

An Empty Promise

Mr. Gao is not the first lawyer to test China's commitment to the law. Even in the earliest days of market-oriented economic reforms, when the legal system was still a hollow shell, a few defense lawyers quixotically challenged the ruling party to respect international legal norms.

One such advocate is Zhang Sizhi, a dean of defense lawyers, who has accepted dozens of long-shot cases that he views as advancing the law. He defended Jiang Qing, Mao's wife, when she faced trial after the Cultural Revolution. He also represented Wei Jingsheng, perhaps China's best-known dissident.

Mr. Zhang argues that lawyers have prodded the party to develop a more impartial judiciary. But, he says, they must do so with small, carefully calibrated jolts of legal pressure.

"The system is improving incrementally," he said. "If you go too far, you will only hurt the chances of legal reform, as well as the interests of your client."

That view may reflect a consensus among seasoned legal scholars. But Mr. Gao is 37 years younger than Mr. Zhang, far less patient, and after his initial burst of idealism, deeply cynical.

If Mr. Zhang’s benchmark for progress is that every criminal suspect has the right to a legal defense, Mr. Gao’s became the 1989 Administrative Procedure Law, which for the first time gave Chinese citizens the right to sue state agencies. By his reckoning, it remains an empty promise.

“The leaders of China see no other purpose for the law but to protect and disguise their own power,” Mr. Gao said. “As a lawyer, my goal is to turn their charade into a reality.”

Following his defeat in the Beijing land dispute he plunged into the biggest land case he could find, a prolonged battle over hundreds of acres of farmland that Guangdong Province had seized to construct a university. Legally, he hit another brick wall. But he fired off scores of angry missives about the “brazen murderous schemes” of Guangdong officials. The storm of public anger he helped stir up got his clients more generous compensation.

Mr. Gao said he was told later that the party secretary of Guangdong, Zhang Dejiang, had labeled him a mingyun fenzi, a dangerous man on a mission. “He was right,” Mr. Gao said.

This summer, a fellow lawyer-activist named Zhu Jiuhu was detained for “disturbing public order” while representing private investors in oil wells that were seized by the government in Shaanxi, Mr. Gao’s home province.

Mr. Gao rushed to Mr. Zhu’s defense with fellow lawyers, local journalists and tape recorders. He camped out in local government offices until officials agreed to meet him. He

told one party boss that “he would forever be on the wrong side of the law and on the wrong side of the conscience of the people” unless he let Mr. Zhu go, according to a recording of the conversation.

After the intensive publicity campaign, Mr. Zhu was freed this fall, though under a highly restrictive bail arrangement that prevents him from practicing law.

Most provocatively, Mr. Gao has defended adherents of F*l*n G**g, a quasi-Buddhist religious sect that the party outlawed as a major threat to national security in 1999.

Mr. Gao has been blocked from filing lawsuits on behalf of F*l*n G**g members. But in open letters to the leadership, he said the secret police had tortured sect members to make them renounce F*l*n G**g. He described a police-run, extra-judicial “brainwashing base” where, he said, one client was first starved and then force-fed until he threw up. Another of his F*l*n G**g clients, he says, was raped while in police custody.

“These calamitous deeds did not begin with the two of you,” he wrote in a letter addressed to President Hu Jintao and Prime Minister Wen Jiabao. “But they have continued under your political watch, and it is a crime that you have not stopped them.”

The Police Circle

The crackdown came first as a courtesy call.

Two men wearing suit jackets and ties, having set up an appointment, visited his office. They identified themselves as agents of State Security, the internal secret police, but mostly made small talk until one of them mentioned the open letter Mr. Gao had written on F*l*n G**g.

“They suggested that F*l*n G**g was more of a political issue than a legal issue and maybe it was best left to the politicians,” Mr. Gao recalled. “They were very polite.”

When they prepared to leave, however, one of them said, “You must be proud of what you have achieved as a lawyer after your self-study. Certainly you must be worried should something happen to derail that.”

Mr. Gao said he talked to his wife and considered the future of his two children. He wondered whether he could still afford his Beijing apartment and his car if his business collapsed.

“Anyone who says he does not consider this kind of pressure is lying,” Mr. Gao said. “But I also felt more than ever that I was putting pressure on this reactionary system. I did not want to give that up.”

His resistance hardened. The Beijing Judicial Bureau handed him a list of cases and clients that were off limits, including F*l*n G**g, the Shaanxi oil case and a recent incident of political unrest in Taishi, a village in Guangdong. He refused to drop any of them, arguing that the bureau had no legal authority to dictate what cases he accepts or rejects.

This fall, he said, security agents have followed him constantly. He said his apartment courtyard has become a “plainclothes policeman’s club,” with up to 20 officers stationed outside. He and his wife bring them hot water on cold nights.

On Nov. 4, shortly after being warned to retract a second open letter about his F*l*n G**g cases, Mr. Gao received a new summons from the judicial bureau.

This time, the bureau provided a written notice that said it had conducted routine inspections of 58 law firms in Beijing. Mr. Gao's, it was discovered, had moved offices and failed to promptly register the new address, which it called a serious violation of the Law on Managing the Registration of Law Firms. He was ordered to suspend operations for a year.

When the requisite public hearing was held, Mr. Gao sent two lawyers to represent him. But he boarded a plane for Xinjiang, where he had a medical case pending and where he wanted to inquire about abuses against members of an underground Christian church.

The edict was not only not overturned after the hearing, it was broadened. By late November, the bureau issued a new notice demanding that Mr. Gao hand over his personal law license as well as his firm's operating permit. Both had to be in the hands of the bureau by Dec. 14. The authority would otherwise "use force according to law to carry it out."

When he received that second order, Mr. Gao had escaped his police tail and traveled to a location in northern China that he asked to keep secret. He was conducting a new investigation into torture of F*l*n G**g adherents. A steady stream of sect members visited him in the ramshackle apartment he is using as a safe house. He tries to meet at least four each day, taking their stories down long hand.

"I'm not sure how much time I have left to conduct my work," Mr. Gao said. "But I will use every minute to expose the barbaric tactics of our leadership."

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A Judge Tests China’s Courts, Making History

By JIM YARDLEY

LUOYANG, China - Judge Li Huijuan happened to be in the courthouse file room when clerks, acting on urgent orders, began searching for a ruling on a mundane case about seed prices. “I handled that case,” Judge Li told the clerks, surprised that anyone would be interested.

But within days, the Luoyang Middle Court’s discipline committee contacted her. Provincial officials had angrily complained that the ruling contained a serious political error. Faced with a conflict between national and provincial law, Judge Li had declared the provincial law invalid. In doing so, she unwittingly made legal history, setting in motion a national debate about judicial independence in China’s closed political system.

In many countries, including the United States, a judge tossing out a lower-level law would scarcely merit attention. But in China, the government, not a court, is the final arbiter of law. What Judge Li had considered judicial common sense, provincial legislators considered a judicial revolt. Their initial response was to try to crush it. Judge Li, who had been on the bench less than three years, feared her career might be finished.

“An order by those in power has forced local leaders, none of whom dared to stand on principle, to sacrifice me,” she

wrote in rebuttal. “I’m just an ordinary person, a female judge who tried to protect the law. Who is going to protect my rights?”

Faced with the complex demands of governing a chaotic, modernizing country, China’s leaders have embraced the rule of law as the most efficient means of regulating society. But a central requirement in fulfilling that promise lies unresolved - whether the governing Communist Party intends to allow an independent judiciary.

The 2003 ruling by Judge Li has become, quite unexpectedly, a landmark case for the evolving Chinese legal system. Her plight exposed the limits on judicial autonomy in China and the political retribution faced by judges. But it also revealed the rising influence of legal reformers. Scholars and lawyers rallied to Judge Li’s defense and embraced her ruling as a test case, if an accidental one, for a more autonomous court system.

“For the first time, a judge announced a local law or regulation was void,” said Xiao Taifu, a member of the Beijing Lawyers Association, which petitioned the central government on Judge Li’s behalf. “It was historic. For the legal process in China, it was a first, and it carried deep meaning.”

Today, China’s court system is far from an independent entity that can curb government power. Often, the courts remain a pliable tool to reinforce that power. Many judges are poorly educated in the law and corrupt. Judges often must answer to government officials as much as to the law. Political pressure is common, and private trial committees often dictate rulings.

There are also signs of change. One of the busiest courts in Beijing announced in November that it would stop punishing judges if a ruling was later deemed politically or legally “wrong.” A budding idealism about the law, and its potential to transform Chinese society, is evident not only in the number of new lawyers but also in the emerging civic belief that ordinary people have “legal rights.”

The case of Judge Li illustrates how such changes continue to meet enormous resistance within the system. Judge Li, now 32, a Communist Party member, is among the new generation of younger judges expected to become the future backbone of a strengthened court system.

That Judge Li and others granted interviews for this article reflects, to some extent, the evolution of China’s legal system and an effort by the judiciary to be more assertive. But the dispute over the seed case taught her that being a judge involved far more than simply interpreting laws. “When I look back on the cases I dealt with, I have no regrets,” she said. “I don’t think any of the parties involved can complain.” But, she added, any judge who acts on conscience does so at a risk.

“I think my colleagues and supervisors think I’m naïve,” she said. “And they think I’m not wise.”

Youthful Ideals Meet Reality

As a teenager, Li Huijuan first saw a judge as a character in a

television soap opera. She grew up in southern Henan Province in the city of Nanyang, where she watched dramas

about judges in ancient China. Their passion for justice was scripted, but it inspired a young girl.

“I saw these images of judges and lawyers defending the people,” she said. “I thought it was glorious.”

She was one of three children, and her father was a government official who oversaw local markets to ensure that merchants and vendors abided by city rules and regulations. To curry favor with her father, vendors often visited the family’s apartment at night, banging on the door with offers of gifts or bribes.

“My father never accepted,” Judge Li recalled. “He lectured them and drove them out. I think I have the same stubbornness in my character. My parents taught me to be a straightforward, honest person.”

Her two siblings became teachers, an honored profession in China, but Li Huijuan graduated from Henan University with a four-year degree in law. She later earned a master’s degree in law at the prestigious University of Politics and Law in Beijing. Her qualifications placed her in an elite circle at a time when China was starting to introduce new, tougher standards for the legal profession. Even so, she said much of her education had been “more like legal theory.”

“The teacher was telling us how it should be,” she recalled of her undergraduate studies. “But they did not teach us how it really worked in China.”

She began learning that lesson in 1996 after she started working at the Middle Court in Luoyang in Henan’s north. She arrived at a courthouse dominated by older judges, some with limited legal education, including retired soldiers given judgeships to reward them for serving their country.

Her naïve belief that judges ruled independently - as they did on television - was quickly dispelled.

Instead, she learned that cases were heard by panels of judges, whose rulings were often reviewed by supervisors or, in major cases, by private trial committees of court officials. Judges were held responsible for rulings that carried their name, even if others in the court actually made the decision. But if government officials or influential citizens complained about a ruling, a judge could be punished, fined or even fired.

Some judges tried to reduce the pressure of a potential mistake by taking on fewer cases. “The less you do,” Judge Li said, “the fewer mistakes you make.”

She began as a court secretary but quickly qualified as a judge and, later, as a presiding judge. In January 2003, she was named presiding judge over a three-judge panel hearing a dispute between two local companies over the price of seeds. The legal dispute revolved around a conflict between provincial and national law, but Judge Li never anticipated that that would bring her trouble.

Instead, the political subtext of the case - the parochial interests of two local companies fighting over thousands of dollars - infused the process. At one point, a city official forwarded a letter from one company to Judge Li’s supervisor. In the margin, the official had written an instruction for the court: “Please pay attention.”

“I felt quite uncomfortable when I received the letter,” she said. “I felt they were making assumptions that I was already taking sides. I didn’t do anything about it. I just put it in the files.”

At another point, the director of the Luoyang court - since replaced on an unrelated matter - telephoned Judge Li. A representative from one of the companies was in his office. Could she meet with him?

“I considered this very inappropriate,” Judge Li said. “But I couldn’t say so because of the director. So I told the man to come to my office.”

When he arrived, Judge Li said, she pretended to be stuck on a long telephone call. Exasperated, the man finally left.

A System Grappling With Reform

Legal experts say political pressure on judges is routine and

derives, in part, from the subservient status of the court system within the Chinese bureaucracy. Nationally, the chief judge of the People’s Supreme Court is not even a member of the Politburo, the inner decision-making entity of the Communist Party. By comparison, the head of the Ministry of Public Security is a member.

Locally, judges are appointed by their people’s congresses, while the courts receive their budget from local governments. In addition, branches of the Communist Party operate committees that can apply pressure and exert influence on a court behind the scenes.

Earlier this year, a presiding judge in the northeastern city of Harbin told Workers’ Daily, a state-controlled newspaper, that government officials had overruled three different innocent verdicts and ordered the courts to convict a local businessman of fraud. The presiding judge was later censured for publicizing the case.

The system also can make it easy for corrupt court officials to exploit their position. In April 2004, two vice directors of the Middle Court in Wuhan, a large city in central China, were sentenced to prison for selling verdicts in exchange for $500,000 in bribes. The directors paid judges to participate in the scheme.

Many legal reformers believe the court system must become more autonomous to eliminate corruption in the legal system. But in seeking more authority, they also are trying to rapidly modernize the system and improve judicial training to counter public perceptions that too many judges are corrupt or unqualified. “The public may be skeptical about judicial independence, given the quality of judges and judgments,” said He Weifang, a prominent constitutional scholar. “But if you want accountability, you can only have accountability if you have independence. Otherwise, it is never clear who made a decision.”

On the campus of the National Judges College on the outskirts of Beijing, the primary educational arm of the People’s Supreme Court, roughly 10,000 judges spend a month of every year on professional training. In the past, judges were taught to serve the interests of the Communist Party, but now a different message is emphasized.

“We train them with a modern theory of law: that the courts are impartial, on the need for legal justice and of innocence until proven guilty,” said Huai Xiaofeng, president of the college. “We stress that during a trial, you cannot favor the government or the National People’s Congress. In the past, they told them to emphasize the political qualities.

“Now, we tell them to emphasize the law and the facts.”

For Judge Li, the reaction to the ruling on the seed case proved how political considerations remained deeply embedded in the legal system. Because the case seemed likely to provoke controversy, she had submitted a draft ruling to the court director, who in turn forwarded it to a trial committee. Everyone signed off, and both parties were informed in June 2003.

But by October, word of the case had reached the Henan Province People’s Congress, the provincial legislature. In the legal affairs office, the ruling was interpreted as a naked challenge to the lawmaking authority of the People’s Congress. Provincial officials publicly described the ruling as “a serious breach of law.”

“The authority of the National People’s Congress system is not to be challenged,” said Mao Yinduan, head of the legal office, in an interview. “The judge in this case was very young and had little experience. She had every right to choose which law to use. But courts have no right in a verdict to say which law is invalid.”

The reaction stunned Judge Li. To research the verdict, she had studied Chinese law, as well as the speeches of senior political leaders. China’s Law on Legislation stated that local laws that conflicted with national laws should be abolished. She thought including this point in her opinion was within her judicial purview.

She had not intended to challenge the political system, nor, apparently, did her director or anyone on the trial committee. “He read the verdict and didn’t realize the significance of what it said,” Judge Li said of the director. “I, at first, didn’t realize the significance, either.”

But Judge Li, not the court officials who had approved the decision, faced the possibility of serious punishment. “I felt persecuted,” she recalled. “Everyone I talked to told me what I had done was wrong.”

Job Saved but System Unchanged

Anxious and uncertain of her future, Li Huijuan telephoned her

husband, Chang Jianyi. High school sweethearts, they married in 1999 but lived apart because Mr. Chang worked in Beijing as a software developer. His wife reached him on a business trip to Tibet, and he advised her to seek help in Beijing. He believed she had been wronged.

“She had to fight back to restore her reputation and her dignity,” Mr. Chang said. “If she did not fight back, she would have to live with the stain.”

She left for Beijing and planned to seek help from an association of women in the judiciary. She wrote a long passionate letter in which she promised to “undergo criticism and education” if she had erred. “But if I’m right, I will protect my integrity and defend the integrity of the law, even if it means being like a moth that flies into a flame.”

At the association’s office, a woman told her that she had been treated too harshly and agreed to contact someone at the People’s Supreme Court. Then the case attracted the attention of the Chinese news media and of scholars and lawyers pushing for legal reform.

Mr. He, the constitutional scholar, rose to her defense in an op-ed article. In an interview, he characterized the seed case as one of the most important in the legal evolution of

China because of the attention it focused on judicial independence.

“It may not be Marbury v. Madison,” Mr. He said of the landmark case credited with establishing the authority of the United States Supreme Court, “but it is a very important case.”

As it turned out, Judge Li had stumbled upon a fundamental contradiction. In the Chinese system, based loosely on European models and the old Soviet structure, judges are supposed to refer conflicts in law for review by the Standing Committee of the National People’s Congress, the country’s center of legislative power. Judges are then expected to follow the decision made by the Standing Committee.

Yet, in practical terms, those referrals rarely happen and when they do, the Standing Committee has rarely showed interest in the housekeeping role. As a result, judges have become accustomed to assuming this role, if doing so silently, and then simply leaving the conflicting law untouched.

To many lawyers, the system was grossly inefficient and outdated. Mr. Xiao, the Beijing lawyer, joined three other lawyers in formally requesting that the National People’s Congress review the situation. Scholars organized a legal conference at the elite Tsinghua University to debate the seed case and other issues about judicial autonomy. The public attention, and the possible intervention on her behalf by the People’s Supreme Court, apparently saved Judge Li’s career. She returned to work in summer 2004 before leaving on maternity leave later that year. She is now in Beijing on a leave to continue her legal studies.

But the system remained largely intact. In summer 2004, the Standing Committee announced the creation of a new review panel to mediate conflicts of law. Some lawyers have hailed the panel as the equivalent of a constitutional court. Others are concerned about the panel’s secrecy and believe the responsibility should belong to the courts.

Judge Li still believes in the rule of law, but she is no longer the impressionable teenager who watched soap operas about judges. “Judges are confused,” she said. “It is not that they do not know how to do cases professionally. It is just all these relationships to coordinate. And they also have to weigh consequences.”

In 2004, Henan’s High Court reheard the seed case. It ruled exactly as Judge Li had, with one exception: it criticized her for invalidating the provincial law.

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Desperate Search for Justice: One Man vs. China

By JIM YARDLEY
CHAOHU, China - At his most desperate, when he had no more borrowed

money for his son’s legal defense, Xie Yujun went to a hospital. He knew of China’s black market in body parts. He wanted to sell his eyes. He was refused.

Mr. Xie, 60, is no stranger to desperate acts, if by necessity. His son was charged with a savage knife attack here in rural Anhui Province that left a mother and daughter badly wounded. The police suspected the son because of a property dispute between the families. But Mr. Xie believed the case was deeply flawed: the victims never identified the attacker. The only evidence was a questionable shoeprint. Police misconduct was blatant.

Mr. Xie's problem was convincing a court. His son's lawyers had no chance to question witnesses or, initially, to examine evidence. At one point, Mr. Xie himself sneaked into a prison to interview a witness. Even a tantalizing appeals court victory proved hollow. The son was tried again and sentenced to life in prison.

"There must be one person in the Communist Party who is honest and who believes in justice," Mr. Xie said. "If I can't even find one, then the party is not going to last long."

China's authoritarian government once relied on ideology and brute force to bind and regulate society. Now, it is asking citizens like Mr. Xie to have faith in the country's legal system to resolve disputes and mete out justice.

But Mr. Xie's plaintive cry poses a fundamental question about China's promise of rule of law: Is it possible for a criminal defendant to get a fair trial?

For most of the 56-year history of the People's Republic of China, the answer, by any standard, has been no. But in 1996, facing international and domestic pressure, China introduced reforms that expanded a criminal defendant's right to counsel and sought to create a more impartial judiciary.

Yet today the inadequacy of those reforms, and the reluctance of the ruling Communist Party to make meaningful change, is abundantly evident. The criminal trial of Mr. Xie’s son was one of 770,947 adjudicated last year. Of that total, 99.7 percent ended in convictions.

Conviction rates are also high in the United States, especially in federal criminal cases. But legal experts say that American prosecutors more often decline to indict in weak cases, and that judges and juries retain the autonomy to deliver innocent verdicts in even the most high-profile cases.

The stark imbalance in China reflects a fundamental contradiction for China’s top leaders. They want people like Mr. Xie to trust the legal system because public support is essential in ensuring social stability. But they believe the law should enhance, not erode, government power, and have shown little inclination to replace a system that guarantees convictions with one that guarantees the rights of the accused.

A quarter century ago, after the chaos of Mao’s Cultural Revolution, China essentially had no legal system. In that context, it has made significant strides. The 1996 reforms were intended to shift toward an adversarial trial process, modeled in part after the American system. Instead, the reforms have become most notable for what was left out.

“They didn’t put in rules of evidence,” said Jonathan Hecht, deputy director of the China Law Center at Yale University. “They didn’t put in requirements that witnesses appear at trial. Lawyers weren’t given the ability to really prepare a case. They kind of created the shell of an adversarial process, but they didn’t create the guts of it.”

At the same time, the police, prosecutors and judges now often disregard the protections that Chinese law does offer. A defendant, for instance, has the right to see a lawyer after the initial interrogation, or usually within 24 hours. Yet a police survey in Beijing found that over the past two years, only 14.5 percent of defendants in the city had seen a lawyer in the first 48 hours.

Other obstacles facing defendants are abundant: defense lawyers deemed too aggressive can be indicted by the prosecutors opposing them in court; appellate courts rarely overturn convictions; rulings often are decided by unseen committees for whom political considerations can be as important as the law.

The problems are so flagrant that calls for reforms are coming from inside and outside the government. The National People’s Congress is considering proposals for another major revamping of criminal procedure laws. In a handful of cities, experiments in reform are under way, like allowing defense lawyers to be present at interrogations. But it remains uncertain whether any changes will be approved, and, if so, what they will be.

In Chaohu, the police, prosecutors and court officials refused requests for interviews about the case of Mr. Xie’s son, Xie Shude. The Chaohu Public Security Bureau described the case as “routine.” The two victims of the attack declined to be interviewed.

But Mr. Xie’s plight illustrates all the tensions and problems in the criminal justice system. He repeatedly demanded his son’s rights, only to learn how circumscribed those rights were. He learned that if Chinese law does not explicitly treat a suspect as guilty until proven innocent, it does so in practice.

For more than a year, Mr. Xie navigated two trials and two appeals. Ultimately, he found his only recourse was outside the usual channels of modern jurisprudence and held a rare private meeting in June with two powerful judges.

It would be the modern equivalent of an audience with the emperor.

Father-and-Son Arrests

On the night of March 21, 2004, neighbors in the massive Xiyuan New Housing Village heard screams from a sixth-floor apartment. An intruder had repeatedly slashed a mother and daughter with a vegetable knife and escaped down the public stairwell. The case scandalized this city in the fertile, green fields of central China's breadbasket.

Two days after the attack, the police approached Xie Yujun, the father, and told him he was a suspect. He had had a property dispute with the husband of the woman who was attacked. The husband had bought an apartment from Mr. Xie but was delinquent in his payment. Mr. Xie had sued.

Mr. Xie, an emotional, combative man with a silver crew cut, said the police had demanded that he "prove that he is innocent." He had been jobless since being laid off by a state-owned construction company nearly a decade before. He and his wife survived on the $80 a month she earned selling vegetables. They had sold the apartment to raise money.

At the police station, investigators took Mr. Xie's fingerprints and pushed him into a bare cell for a night. Then a few minutes later, he recalled, the cell door slid open and another man was shoved inside.

"It was my son," Mr. Xie said.

The son, Xie Shude, 32, lived in the same apartment complex as the victim. Family members say he is the opposite of his father. If Xie Yujun can be loud and argumentative, Xie Shude is quiet and meek. Father and son had drifted apart after the son had married a peasant girl and moved out. The son sold grilled kebabs on the street and had opened a small shop.

“He has never done anything bad,” said Huang Zeyun, 36, the son’s wife. “He would rather get taken advantage of than be in a quarrel.”

In the cell, father and son slept together on a wooden board. Both men had been fingerprinted and threatened by investigators. In an interrogation room, a detective had slammed a pistol on a table and warned Xie Shude, “If you don’t confess, we will skin you alive.”

But the son, like the father, maintained his innocence and the two men were released the next morning. Xie Yujun believes the fingerprints must not have matched.

The Chaohu attack came as unease about crime was rippling across China. Even as more Chinese were demanding legal rights, the public was also demanding that the government halt the steady rise of crime. A murder spree by a university student in western China had recently set off a nationwide manhunt and stoked public fears.

In Chaohu, the television station and newspaper gave the local knife attack a nickname, the 3/21 case, after the date it occurred. Every major government and Communist Party official in Chaohu demanded an arrest, according to the local newspaper.

Investigators must “devote all their energy to solving the case, ease people’s worries and maintain social security and

stability," said Chen Chunyu, head of the public security bureau, according to the Chaohu Daily.

In this atmosphere, on April 9, about two weeks after he was released from jail, Mr. Xie's son disappeared.

Mr. Xie heard from neighbors that men in dark clothes had pushed his son into a car. He went to police headquarters, but no one would discuss his son's whereabouts. Only when Mr. Xie filed a missing persons report did the police admit the son was in custody. They would hold him incommunicado for seven days.

The arrest of Xie Shude was later announced in the newspaper. The stated motive was revenge over the property dispute. The police had used those seven days to extract two pieces of evidence: a shoeprint and a confession.

A Taste of Chinese Justice

For Xie Yujun, the first obstacle to mounting his son's defense was money. He approached friends and relatives for loans, promising repayment after his son's exoneration. He was convinced of his son's innocence after their night together in jail.

"I thought telling the truth was the only way out," the father recalled. "I told him if he really did it, he would have to confess.

"My son said, 'Really, I did not do it.' "

Mr. Xie felt his obligation was not only to his son. In traditional Chinese society, where respect, or "face," is a paramount virtue, the arrest had stained the reputation of his entire extended family. Some elderly family members

had even ceased their outdoor exercises to avoid seeing neighbors. As the father, Mr. Xie was obligated by Chinese tradition to cleanse the stain.

“It has put shame on the whole family,” he said of the case.

Mr. Xie knew little about the law. As a teenager, he had missed an education when Mao ordered millions of city dwellers to labor in the countryside. But he started buying books on criminal procedure law. He also visited law firms to ask questions.

He concluded that the case against his son was riddled with flaws. The indictment accused the son of acting out of “revenge” over his father’s property dispute. But the indictment failed to mention that Mr. Xie had already won the lawsuit. At the time of the attack Mr. Xie was waiting for the family to pay him about $600 and, he said, the payment period had not expired.

The police produced jailhouse witnesses who claimed to have overheard the son confess to the attack. But Mr. Xie pretended to be a relative and slipped into the prison. He recorded one of the witnesses saying that the police had coerced his testimony. Later, Mr. Xie handed the tape to the judge.

The son’s confessions also proved coerced. The son had made eight confessions and one recantation. But he later told lawyers and family members that police beat him with sticks and kept him awake for seven days. He said he had confessed to end the torment.

“I told him I didn’t blame him for going along with the confession,” Mr. Xie said. “I understood.”

The victims’ account of the attack also raised questions. At the crime scene, the husband told the police that his wife had seen three attackers. But, later, the wife told the police she had seen only one. Court papers show she did not initially identify her attacker. Later, she said, “I suspect it must have been somebody in Xie Yujun’s family,” court documents show.

Ultimately, the prosecution’s case depended on the shoeprint. Forensic evidence is often unreliable in China, partly because the country has no uniform forensic rules. In Chaohu, prosecutors would boast of ample forensic evidence, including fingerprints, but only the shoeprint was introduced in the trial. Court documents say the print was taken from the sole of a Yi’erkang brand leather shoe.

Investigators in Chaohu never found a shoe that matched the print. But the police bought an identical Yi’erkang shoe and ordered Xie Shude to make a fresh print to compare with the one they had. A police academy in northeast China then concluded that print matched the crime scene print because both were “slightly turned inward” and “landing on the outside.”

Mr. Xie knew nothing about forensics but tried to hire a private firm in Shanghai for an independent analysis. The firm told him it worked only with the government. Eventually, Mr. Xie had to ask the Chaohu court to find him an expert. They found a retired government forensics specialist. He confirmed the prosecution’s report.

Mr. Xie placed his hopes with Jiang Shengchao, a lawyer with political connections and a good reputation. But Mr. Jiang quickly met problems. The police blocked him from meeting his client. Desperate, Mr. Xie traveled to the provincial capital, Hefei, to petition higher officials to

intervene. Two months after the arrest, the lawyer finally saw his client.

The trial was held in October 2004 in Chaohu Intermediate Court. It lasted a single day. Mr. Jiang was not allowed to review the evidence, nor did Mr. Xie's son have a chance to face his accuser. No witnesses were called. Their testimony was entered into the record, but Mr. Jiang was given no chance to question them. Chinese law requires that evidence be subjected to cross-examination, but legal analysts say this requirement is regularly overlooked.

In arguing the case, Mr. Jiang also faced restrictions. "I remember how the judge intervened every time the lawyer was trying to say something important," said Ms. Huang, the defendant's wife. "He would just say, 'Hurry up and make it simple.' "

On Oct. 12, the court found Xie Shude guilty and awarded compensation of nearly $10,000 to the victims. Mr. Xie responded by hiring a new lawyer, Li Ping, for his appeal to the Anhui Province High Court.

In December, the High Court overruled the guilty verdict, citing "insufficient evidence" and "certain unclear facts."

"I thought that showed justice," the father said.

But the ruling did not mean the case was over. Appellate courts in China rarely release defendants, even if ruling in their favor. Instead, the case was returned to Chaohu Intermediate Court for a new trial. The High Court also sent a confidential letter to prosecutors, a customary practice, with instructions on how to bolster their case.

Even so, the defense had made an unexpected discovery: Ms. Li had been allowed to examine the evidence and

noticed that the digital photograph of the shoeprint from the crime scene was dated in April, a month after the attack.

It raised obvious questions: Did the police simply manufacture the shoeprint? If not, was the print reliable, given the number of people who had trampled through the crime scene during the month after the attack?

Ms. Li raised these questions to no avail. The trial lasted only a few hours and resulted in another guilty verdict. Mr. Xie was disappointed, but he assumed that the High Court would again overturn the verdict since the prosecutors had not presented any new evidence.

He would be wrong.

Kafkaesque Appeals

The High Court is the most powerful judicial body in Anhui Province, yet it should not be confused with appellate courts operating in the United States. The High Court is a political body as much as an arbiter of law.

This distinction would become apparent in Xie Shude's two appeals. The first, successful appeal had been reviewed by a panel of three judges. A provincial official familiar with the workings of the High Court said the three judges reviewed the case strictly on its legal merits.

But the second appeal, in April 2005, was different. Five judges were listed on the ruling. A second provincial official confirmed that those five judges were actually part of a much larger trial committee within the court that oversaw the review.

The two provincial officials, who asked not to be identified for fear of reprisals, said the judges were sharply divided

over the case. Some thought it was without merit. Even so, their authority was limited: Chinese law does not allow judges to throw out evidence or overturn convictions on the basis of police misconduct.

More significant, the two officials said the High Court was reluctant to overturn any conviction because that might damage its relationships with prosecutors and police, as well as with Communist Party leaders eager to be seen as cracking down on crime.

Finally, the two officials said, judges sometimes simply ignore evidence and consider what they perceive to be the greater societal good - in this case, a conviction to soothe public anxiety about a grisly crime.

“In China,” said one of the provincial officials, “the rules sometimes do not matter.” The official added, “If you go after legal justice, it might cause more harm to social stability.”

The High Court handed down its second ruling in the case of Mr. Xie’s son in May. This time, the court upheld the conviction and even seemed to switch the burden of proof. If before it blamed the prosecution for lacking evidence, it now blamed the defense for not introducing new evidence.

It was as if Xie Shude had been presumed guilty unless proven innocent.

A Last Hope

In June, Xie Yujun traveled to the High Court, clutching a ticket to meet with officials. His was not a formal legal appeal but rather a petition in the feudal tradition of ancient China.

He could no longer afford a lawyer. But he had fallen to his knees before a young law student and begged for help. The law student, joined by another student, met Mr. Xie at the High Court and later provided written accounts of the meeting.

The three rode an elevator to a private upstairs room and sat at a long table opposite two judges and their aides. Attendants poured glasses of hot water. Mr. Xie described the case until the older of the two judges chuckled. He said they knew the case because they had been involved in upholding the conviction.

The younger judge conceded the case had problems. He agreed the confession was coerced. But he defended the shoeprint and changed the subject when the law students peppered him with questions.

The older judge did not bother with intricacies of law. He advised Mr. Xie that he could eventually petition to reopen the case. But first he recommended that Mr. Xie regularly visit his son in prison. “Really get to know him,” he said. “Make sure you are convinced he is innocent.”

Mr. Xie boiled with anger as the judge offered his final advice.

“There’s no hurry,” the older judge added. “After all, it’s a life sentence.”

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Dispute Leaves U.S. Executive in Chinese Legal Netherworld

By JOSEPH KAHN

BEIJING, Oct. 31 - David Ji, a Chinese-American electronics entrepreneur, spent two months in custody enduring all-night interrogation sessions, but his stubbornness and occasional flashes of sarcasm infuriated his Chinese captors.

So in late December last year, according to a person who compiled a record of the encounter, guards emptied his pockets, removed his shoes and socks, and ripped the buttons off his oxford shirt. He was ushered disheveled and barefoot into the office of Zhao Yong, the chief executive of Sichuan Changhong Electric, Mr. Ji’s onetime business partner and, more recently, his warden.

“Your only way out is to do what Changhong tells you to do,” Mr. Zhao told him. “If I decide today I want you to die, you will be dead tomorrow.”

Mr. Ji soon agreed to cooperate with Changhong. But a year after the Chinese police apprehended him in his hotel room during a business trip, he remains in China as a pawn - Mr. Ji’s colleagues say a hostage - in a commercial dispute that

pits Changhong, China’s largest television manufacturer, against Apex Digital, Mr. Ji’s electronics trading company based in Los Angeles.

Changhong, which declined repeated requests for comment over several weeks, claims that Apex owes it $470 million. Apex, which recruited Changhong to supply Wal-Mart, Best Buy and Circuit City with inexpensive television sets and DVD players, says it owes less than $150 million. The sums involved are large, but what is more significant about the case is the way Changhong, a major state-owned company in Sichuan Province, deployed the police, prosecutors and judges in a campaign to collect its debt.

China has attracted hundreds of billions of dollars in foreign investment and has become the world’s third largest trading power. But its legal system, even when handling nonpolitical business cases, has progressed far more haltingly and still rarely backs investors or ordinary citizens against the state.

Difficulty enforcing contracts, rampant violations of copyrights and trademarks and protection of domestic industry champions have heightened trade tensions at a time when China is struggling to convince the outside world that its growing economic might poses no threat. Beijing is under heavy pressure to embrace global legal norms with the same fervor with which it has pursued foreign trade.

Courts and arbitration panels do resolve many business conflicts that arise from China’s thriving market-oriented economy, and they can rule professionally and impartially. But when the fate of powerful companies like Changhong, which has 36,000 employees, lies in the balance, the judicial system does not act independently and offers no recourse for outsiders like Mr. Ji.

Ultimately, some legal scholars argue, China’s legal system may not improve markedly until central and local government officials relinquish some control and stop putting short-term political goals, like protecting influential companies and suppressing dissent, above the law.

Mr. Ji and his Los Angeles-based partner, Ancle Hsu, are ethnic Chinese who became American citizens. They helped Changhong break into the American market, and its products outsold Sony and Panasonic, heralding China’s arrival as an electronics powerhouse.

Relations with Changhong soured, however, over quality control problems and unpaid debts. And when they did, Changhong’s first response was not to file a lawsuit, but to dispatch the police.

The police from Mianyang, the city in southwestern Sichuan province where Changhong has its headquarters, apprehended Mr. Ji in Shenzhen, near Hong Kong, on Oct. 23, 2004. He entered a legal netherworld in which Changhong decided where he would be held in custody, when to interrogate him, and how he could help Changhong take over Apex, according to court documents, video recordings, and taped witness accounts compiled by people sympathetic to Mr. Ji. The records, which were also submitted to the State Department, were obtained independently by The New York Times.

Mianyang is a company town. The legal ambiguity partly reflects the tight bond between local corporate and government officials. It also reflects a risk of doing business in China that applies mainly to ethnic Chinese, dozens of whom have faced criminal charges after falling out with government-backed business partners. Overseas Chinese

are often treated as subject to local authority regardless of their country of citizenship.

But in this case, Changhong did not act like a rogue. It solicited and received financial and political support from the most senior levels of the central government, according to lawyers involved in the matter.

Changhong’s executives said they could not discuss a pending legal matter. But Jack C. Auspitz, a lawyer with Morrison & Foerster in New York who represents Changhong in an ongoing court case against Apex, said the California company repeatedly failed to pay for goods Changhong delivered. He said that he did not have detailed information about Mr. Ji’s conditions in Chinese custody, but that he had no reason to believe that he had been coerced.

The Chinese police accused Mr. Ji of fraud for writing bad checks to Changhong and have threatened to prosecute him. He has been released on a form of bail, with heavy restrictions on his freedom, while negotiations with Apex proceed. That has left the impression that his legal fate depends on debt talks between the companies.

“We have been doing business there for many years but could never imagine something like this happening,” said Mr. Hsu, Mr. Ji’s partner, in a recent interview. “They have turned a commercial dispute into a hostage situation and a human rights issue.”

Trial and Error

Changhong and Apex seemed, for a time, a brilliant match.

The American company spotted the potential of the DVD player to replace the VCR in American living rooms if the price came down. Japanese makers dominated sales in the

late 1990's, but often charged $400 or more, making it a luxury item. Apex thought that with the right Chinese partner it could change that.

The job fell to Mr. Ji, 53, who is also known by his Chinese name, Ji Longfen. He was born in Jiangsu Province in eastern China and learned English at Fudan University in Shanghai before emigrating to California. There he and Mr. Hsu, a native of Taiwan, sold scrap metal and car radios before testing the DVD market.

Retiring by American standards, Mr. Ji projects a polite deference that plays well in China. He wears his hair in a starchy wave, a style popular among Chinese officials. He toured industrial zones and small township enterprises for partners, a trial-and-error process that produced some embarrassing failures. A worker in one plant altered a chip on an Apex DVD player to make a message appear on the screen if a user loaded an X-rated film: "You dirty old man!"

Changhong, once a big defense contractor and now a publicly traded electronics maker, seemed more professional. The company, though majority owned by the Mianyang city and Sichuan provincial governments, had entrepreneurial drive. Under Ni Rongfen, its chief executive, Changhong became China's top television maker. It had its sights set on the American market.

Mr. Ji and Mr. Ni struck a deal in 2001. In the Chinese style, the agreement consisted of a simple three-page purchase order.

Changhong was not Apex's only vendor, but it rapidly became its largest. Its bulk production brought the retail price of its DVD players at Wal-Mart and Circuit City down to

$59. In 2002, Apex became the top brand of DVD player in the United States.

Apex also began selling Changhong-made television sets and got the cost of a 27-inch color model below $100, a record. The company’s total sales hit $1 billion in 2002 and nearly $2 billion in 2003.

But the two companies were on a collision course. Changhong received far less from its American sales than it initially recorded on its books. Fast growth covered that deficit for a time, but the Chinese company later claimed that half of what it sold ended up as unpaid debt.

The companies have different explanations of what happened. Apex says Changhong mismanaged its business, basing production on price forecasts that proved overly optimistic. It also did not time its shipments well, saddling Apex with high storage costs, the company says. Worse, the California company claims, Changhong provided low-quality goods, including a ill-fated foray into rear-projection televisions, which left Apex to deal with dissatisfied customers and defective products.

Changhong executives have told the Chinese news media that Apex played tricks with its vendors. It persuaded them to finance their own production and wait months for payment. Payments often lagged behind badly, raising suspicions of fraud.

Two other Chinese electronics makers, the Hongtu High Technology Company and the Tianjin Tiancai Company, say Apex owes them money. A third supplier, the China Minmetals Corporation, recently settled a dispute with Apex in arbitration.

Whatever the root causes of the dispute, Apex and Changhong initially tried to keep things on track, including by taking steps that came back to haunt Mr. Ji.

In early 2003, as debts piled up, Mr. Ni, the Changhong boss, came under pressure to explain the shortfall. He leaned on Mr. Ji, who wrote 37 company checks totaling $85 million. Apex said the checks, which do not bear the markings of having been deposited, were meant as promissory notes. It said it honored them and more by paying Changhong $370 million later in 2003.

Even so, Changhong's debt load worsened and its stock price plunged. Chinese state-run banks stopped advancing loans, Chinese news media reports said. That prompted a boardroom coup against Mr. Ni last summer. He was replaced by Zhao Yong, the deputy mayor of Mianyang.

Shortly after he took office, Mr. Zhao sent a mission to Apex's headquarters to demand payment of $470 million, a figure Apex claimed was three times what it owed. The business relationship froze.

Apex still had a sizable business in China. In October 2004, Mr. Ji visited to oversee progress on a Wal-Mart order for portable DVD players. He ignored warnings of a colleague at Apex, who felt the dispute with Changhong had reached a dangerous impasse, and decided to contact Changhong during the trip. He told his family he would be back in a week.

Mr. Ji phoned Changhong after he arrived and said he would like to meet Mr. Zhao after attending to business in Shenzhen. He hung up thinking that a dinner appointment had been arranged.

“I felt very happy because I thought the problem would finally be resolved by one person,” Mr. Ji told a colleague.

Pursuit and Capture

Just after breakfast on Oct. 23, he answered his door at the Grand Skylight Hotel in Shenzhen. Seven men in civilian clothes identified themselves as police officers from Sichuan, 500 miles to the west. They interrogated Mr. Ji for most of the day. He was told he had committed fraud, though the charges were not spelled out and they had no warrant, according to the account compiled by people sympathetic with him.

Late that afternoon, Mr. Ji was taken to a private dining room, where a Changhong executive played host for a banquet, complete with champagne and abalone. The Changhong executive raised his glass to the policemen, congratulating them on their “pursuit and apprehension” of Mr. Ji.

Mr. Ji objected, saying he had never been on the run, according to the record of his detention. He was told not to speak for the rest of the meal.

The officers then took him to the airport for a flight to Sichuan. Changhong purchased all eight seats in the first-class section, so the group had the cabin to itself.

In Sichuan, he was handed over to Changhong. The company cordoned off a floor in one of its guesthouses and barred the windows, a makeshift jail. Guards kept watch. A television was left blaring day and night. For four days, Mr. Ji barely slept.

On the fifth day, he was put on the phone with a lawyer named Charlie Wang, known as Wang Xiaolin in Chinese, of

Cadwalader, Wickersham & Taft, a white-shoe American law firm that Changhong had retained. Mr. Wang, who was based in Washington, D.C., told Mr. Ji that he had committed fraud and that his only way out was to sign documents that would help Changhong recover missing funds. Exhausted and afraid, Mr. Ji agreed to study the documents, the record of his detention says.

He was then presented with a stack of legal papers the size of a mini-bar. They pledged all of Apex's assets, real property, trademarks and bank accounts as well as Mr. Ji's personal assets to settle the claimed $470 million debt. The documents granted Changhong power of attorney to review Apex's books and remove Mr. Hsu from his position. In effect, he signed away his stake of Apex to Changhong.

Mr. Ji initially balked. A guard then asked, "Do you want this pen, or do you want your hand?" The guard made a motion of chopping off his hand. Mr. Ji took the pen.

'Business as Usual'

Changhong then began an attempt to take over Apex, Apex officials and the record of Mr. Ji's detention say. Mr. Ji was sent to Shanghai by train.

There he stayed in a Changhong-owned residence under guard. But he was instructed to visit Apex offices and act as if he were going about business as usual. He made frequent phone calls back home. As his Changhong guards listened, he repeatedly told Mr. Hsu to execute Changhong's instructions.

The calls did not persuade Mr. Hsu.

"He pretended that nothing was wrong and everything would be worked out," Mr. Hsu recalled. "But we knew he

was not himself. Eventually, there was nothing we could say on the phone except, ‘Yes David, O.K., yes.’ “

Changhong dispatched accountants and investigators to Los Angeles in early December, but Apex refused access, arguing that Changhong lacked legal authority.

It was only then that Changhong took legal action. On Dec. 14, Changhong sued Apex in Los Angeles County Superior Court. The company alleged breach of contract and demanded access to Apex, citing the documents Mr. Ji had signed.

Apex contested the suit. In court documents, it said that Mr. Ji had been abducted and that the documents had been signed under coercion.

Changhong pressed Mr. Ji harder to make Mr. Hsu cooperate. Mr. Ji scoffed, saying he had already “fired” his partner on Changhong’s orders so there was little more he could do, according to the record of his detention.

There were constant reminders, however, that his fate hung in the balance. A prosecutor and a judge from Mianyang visited Shanghai to talk with Mr. Ji. They told him that the 37 checks he had written to Changhong in early 2003 constituted a serious crime and that he could get life in prison or even be executed. His only choice was to cooperate with Changhong, the record said.

Changhong submitted the checks as evidence in its American lawsuit. There are no visible markings on the checks to show that they were deposited or sent through the banking system for payment. Apex says that proves Changhong treated the checks as they were intended - as collateral to solve an accounting problem. They became

obsolete when Apex made big payments to Changhong in April 2003, the company says.

Mr. Auspitz, Changhong’s lawyer in New York, said that despite any other payments Apex may have made in 2003, those checks should have been honored. “There is no question that Apex should have paid and did not,” he said.

To counter Apex’s argument that Mr. Ji was a hostage, Changhong arranged to have Mr. Ji deposed in Apex’s Shanghai offices. Mr. Wang, the Cadwalader lawyer, was present and conducted the videotaped inquiry. Mr. Ji had no lawyer present, and Apex later argued that that raised questions of whether the tape would have any value in an American court.

When taping began, Mr. Ji disputed Changhong’s version of events, prompting a heated argument between Mr. Ji and Mr. Wang, according to people who saw the confrontation.

The next day, Mr. Ji was taken to meet Mr. Zhao, Changhong’s boss. Buttons and belt removed, he had to hold his pants up with his hands. Mr. Zhao warned him that Changhong controlled the courts in Mianyang, that Mr. Ji would be tried there, and that Changhong would decide if he lived or died.

“Apex must give Changhong all the money. This is your only way out,” Mr. Ji was told, according to the record of his detention.

A second taped deposition was arranged. Mr. Ji dressed neatly in a suit. He sat slumped in his chair and smiled wanly. Everything Mr. Wang asked him, he muttered agreement. As the camera rolled, he said Changhong had “invited” him to stay at its apartment in Shanghai while he sorted out the dispute about the checks.

“I am trying to run my company,” Mr. Ji says on tape. “I am the majority shareholder and want to use my power to manage this situation.”

High-Level Intervention

Changhong’s lawsuit has remained unresolved in court in Los Angeles. The taped deposition was never formally submitted, though Apex received a copy. Apex then complained that Changhong’s lawyer, Mr. Wang, acted improperly by being a party to the detention of Mr. Ji.

Cadwalader subsequently withdrew from the case and Mr. Wang, who was made a partner just a few months earlier, left the firm. A spokesman for Cadwalader declined to comment on the case or on Mr. Wang, citing client confidentiality. Apex’s business deteriorated as suppliers and customers learned of its troubles. Its sales this year are off sharply, and it has teetered on the verge of bankruptcy. It now claims it has no money to pay even the portion of the Changhong debt it acknowledges owing.

Internally, however, Changhong may have scored a political touchdown. According to lawyers involved in the case, Changhong submitted a report to Prime Minister Wen Jiabao shortly after it arranged to have Mr. Ji detained. The report claims that a fraud masterminded by Mr. Ji put its business, and its 36,000 workers, in grave peril.

It is unclear if Mr. Wen or other central government officials investigated the matter independently or endorsed Changhong’s role in managing Mr. Ji’s custody. But the lawyers involved said Changhong had boasted repeatedly about receiving Mr. Wen’s support in the form of a three-point written instruction late last fall.

The prime minister praised Changhong’s leadership, authorized the company to take legal actions at home and abroad to protect its interests, and ordered state banks to provide emergency financing totaling nearly $1 billion, roughly double the amount Changhong claimed Apex owed it, they said.

The ruling defused the crisis that prompted Changhong to pursue Mr. Ji. But it left the business dispute unresolved. And it left Mr. Ji in legal limbo, facing possible prosecution on the alleged fraud the company described to the leadership.

On May 28, seven months after Mr. Ji was first detained, he was handed over to the Mianyang police for formal arrest on charges of “financial instrument fraud,” apparently a reference to the 37 checks he wrote Changhong.

In formal police custody, Mr. Ji’s conditions improved, according to the detention record. He has been allowed to visit a hospital to get treatment for hypertension, a kidney problem and a bladder infection. The interrogations ceased. American diplomats have visited him regularly, though they have not spoken publicly about the case.

In June, Apex and Changhong signed a security agreement. Apex acknowledged a $150 million debt. The debt remains unpaid, however. Apex claims it has no money.

In August, the police released Mr. Ji on restricted bail. He is allowed to move around Chengdu, the capital of Sichuan Province, but he is under strict orders not to discuss his case with anyone. The police confiscated his passport and gave him a mobile phone that he must keep with him 24 hours a day. He has not been indicted, but the local authorities frequently remind him that they can prosecute at any time.

“They turned this into a criminal case, and now they don’t know how to resolve it,” says Mr. Hsu of Apex. “I’m afraid we need government intervention, maybe divine intervention, to help David return home.”

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Deep Flaws, and Little Justice, in China’s Court System

By JOSEPH KAHN
Published: September 21, 2005

ANYANG, China - For three days and three nights, the police wrenched Qin Yanhong’s arms high above his back, jammed his knees into a sharp metal frame, and kicked his gut whenever he fell asleep. The pain was so intense that he watched sweat pour off his face and form puddles on the floor.

On the fourth day, he broke down. “What color were her pants?” they demanded. “Black,” he gasped, and felt a whack on the back of his head. “Red,” he cried, and got another punch. “Blue,” he ventured. The beating stopped.

This is how Mr. Qin, a 35-year-old steel mill worker in Henan Province in central China, recalled groping in the darkness of

a interrogation room to deduce the “correct” details of a rape and murder, end his torture and give the police the confession they required to close a nettlesome case.

On the strength of his coerced confession alone, prosecutors indicted Mr. Qin. A panel of judges then convicted him and sentenced him to death. He is alive today only because of a rare twist of fate that proved his innocence and forced the authorities to let him go, though not before a final push to have him executed anyway.

Justice in China is swift but not sure. Criminal investigations nearly always end in guilty pleas. Prosecutors almost never lose cases brought to trial. But recent disclosures of wrongful convictions like Mr. Qin’s have exposed deep flaws in a judicial system that often answers more to political leaders than the law.

“Our public security system is the product of a dictatorship,” Mr. Qin wrote his family when he was on death row. “Police use dictatorial measures on anyone who resists them. Ordinary people have no way to defend themselves.”

The viability of China’s Communist Party depends more than ever on its ability to create a credible legal system. The party needs the law to check corruption, which has eroded its legitimacy. The authorities want people to turn to the courts, rather than take to the streets, to resolve social discontents that have made the country more volatile than at any time since the 1989 democracy movement.

The law, in other words, has become a front line in China’s struggle to modernize under one-party rule. Yet Mr. Qin’s persecution and similar miscarriages of justice that have come to light this year suggest that China is struggling with a fundamental question of jurisprudence: Do officials serve

the law, or do laws serve the officials? Or, to put it another way, is the Communist Party creating rule of law or rule by law?

Twenty-seven years after Deng Xiaoping declared at the outset of China's economic reforms, that "the country must rely on law," the Communist Party realizes that it cannot effectively govern a thriving market-oriented economy unless people trust in law. Hundreds of thousands of new lawyers, stronger courts and a blizzard of Western-inspired codes protect property, enforce contracts and limit police powers.

Disgruntled peasants, displaced urban homeowners and newly wealthy entrepreneurs demand that the authorities respect constitutional rights long treated as notional. Even inside the system, some policemen, prosecutors and judges have tried making the law into a more independent force.

But the transition has been arduous, and the outcome remains uncertain. Beijing draws the line at legal challenges to senior officials or important government agencies. The courts rarely if ever rule in favor of political protesters. Even in business cases, political influence often proves decisive.

Criminal law poses one of the biggest challenges - and most pointed sources of discontent. The police and courts still rely mainly on pretrial confessions and perfunctory court proceedings to resolve criminal cases instead of the Western tradition of analyzing forensic evidence and determining guilt through contentious court trials.

China's criminal laws forbid torture and require judges to weigh evidence beyond a suspect's confession. But lawyers and legal scholars say forced confessions remain endemic in

a judicial system that faces pressure to maintain “social stability” at all costs.

The police and government officials in Anyang, the northern Henan county seat where Mr. Qin was interrogated, and authorities in Zhengzhou, the provincial capital, declined repeated written requests to discuss his case.

But Mr. Qin, his family members and several people involved in his defense said the case showed how political motives and collusion among police, prosecutors and the courts could make the law a source of terror for people who lack the power or money to defend themselves.

A Suspect Investigation

Just after noon on Aug. 3, 1998, Jia Hairong, a 30-year-old peasant woman, was found murdered on her family’s farm in the village of Donggaoping, an hour’s drive from Anyang, according to court documents. Her pants had been cut off with a razor blade. She was raped and strangled, her body stashed behind tall cornstalks.

The police found a plastic alarm clock and the razor blade at the scene. They determined that both items were stolen from a nearby home just before the assault.

Court documents do not make clear whether physical evidence - fingerprints, blood, semen, traces of clothing - could have identified the killer. If there were such forensic leads, they were not followed.

Instead, the police relied on the accounts of three children who were playing outdoors in Qinxiaotun, a village about a mile east of Donggaoping, the records show. The children recalled seeing Mr. Qin, who lives in Qinxiaotun, walking from the direction of Donggaoping that afternoon.

Around midnight on Aug. 4, four officers arrived at the steel plant where Mr. Qin worked nights and took him away for questioning.

Mr. Qin is a tall, shy, doe-eyed man who rarely travels farther than a bicycle ride from his dirt-floored village home. When he speaks - friends say he generally speaks only when spoken to - he has a heavy local accent that even Anyang residents have trouble understanding.

The police would not tell him why he was being detained. But through the early morning hours, he was told to detail how he spent Aug. 1 to 3, and especially the afternoon of Aug. 3. He said he had stayed at home that day before going to work at night.

After the police said a witness told them that he walked through the village that afternoon he amended his story, recalling that he visited the family farm, a short distance from home, to fertilize the fields.

“The farmland is close, so it is not like leaving home,” Mr. Qin said later. “But they thought they had caught me lying.”

He was handcuffed and shackled. He still had no idea what he was suspected of doing. But he overheard some officers and drivers discussing a local murder. He wondered if his detention had some connection.

“I kept asking them what this was all about,” Mr. Qin said. “No one would tell me.”

A senior detective named Shen Jun took charge of his interrogation, court documents show. Mr. Qin described Mr. Shen’s approach as polite, even conciliatory at first. The detective said he was investigating the theft of an alarm

clock. He said Mr. Qin’s fingerprints matched those found on the clock.

“He said it was a cheap little alarm clock and that there was no reason to lie,” Mr. Qin said. “I should just confess. “Then everyone could go home.”

Mr. Qin said he hoped his detention really was prompted by a petty theft. But instinct told him not to admit stealing something he did not steal. So the pressure intensified.

Mr. Shen organized four teams of two policemen each. The teams interrogated Mr. Qin in consecutive six-hour shifts, day and night, for three days.

The questioning quickly turned to torture. Mr. Qin said he was made to sit for many hours on the open metal frame of a chair without a back. His feet and arms were strapped to the chair legs and his body slumped through the frame, forcing the backs of his knees and his lower back against the sharp edges. The technique is known as “tiger stool.”

Alternately, Mr. Qin’s hands were handcuffed behind his back and cinched up until they were above his head and his arms felt as though they would separate from his shoulders. This was referred to as “taking a jet plane.”

He described the pain as piercing. But he said he suffered even greater agony from lack of sleep. The police poured frigid water on his head and pounded him awake when he nodded off. They referred to this as “circling the pig.” By his third day in detention, he said, he felt delirious.

“It would take a superman to resist,” he recalled.

Finally, pressed to specify the color of the stolen alarm clock, he made a guess: “White.” An officer whacked his

head and asked again, “What color was the clock?” “Red,” he offered, but he got another blow. Then he said, “Green.” The beating stopped.

Soon thereafter, Mr. Shen told Mr. Qin his theft of the alarm clock proved he had killed Ms. Jia. The police now had all the evidence they needed, he said, but Mr. Qin must cooperate fully to avoid the harshest punishment. That meant he must volunteer every detail of the crime, three times over, and confess a complete narrative.

Still dazed, Mr. Qin hazarded guesses to every question - was she wearing shorts or long pants? did he strangle her with his hands or with a rope? - until he was allowed to sleep.

In the eight months between his arrest and his trial, Mr. Qin wrote a series of anguished letters home, urging his family to disregard the charges.

“Every word of the confession is a joke,” he wrote in one letter to his older brother in early 1999. “To this day, I have no idea what the victim looks like, and I certainly didn’t know the color of her pants.”

Unwavering Conviction

In prison, Mr. Qin tutored himself in criminal law. His letters cited passages that he felt would aid his defense. Article 38 of the Chinese Constitution forbids extracting confessions by torture and “frame-ups.” Article 46 of the 1996 revised Criminal Procedure Law declares that “oral confessions” are not sufficient grounds for conviction. Article 12 mandates that suspects must be presumed innocent until proven guilty.

His anger convinced his older brother, Qin Yanqing, who became his tireless champion. The elder Mr. Qin petitioned legal officials in Anyang and Zhengzhou to review the case. He exhausted the family savings on travel and lawyer fees.

He even sought out Mr. Shen. But the detective expressed unwavering conviction.

“I stake my 20 years of leadership experience as a guarantee,” the elder Mr. Qin quoted Mr. Shen as telling him. “If your brother did not commit this crime, then I will accept punishment.”

When the trial opened in April 1999, 50 relatives and villagers went to Anyang to testify on Mr. Qin’s behalf. But the three-judge panel ordered the trial closed and excluded them from the courtroom, villagers said.

The prosecution brought no witnesses, and Mr. Qin said the judges prevented him from calling any. Mr. Qin vigorously recanted his confession. His lawyer argued that the prosecution’s case, which depended wholly on the confession, was invalid. The trial was over before lunch.

Six months later, a judge visited Mr. Qin in prison and delivered the verdict: Mr. Qin was guilty of rape and murder, and would be executed. Mr. Qin had a right to appeal.

On death row, his cell contained 15 people and one toilet. He said that in his two years there, a dozen cellmates were escorted away in the early morning hours and executed with a bullet to the back of the head.

He was spared that fate not by his appeals, or by new DNA evidence, but by a stroke of luck that might count as a miracle.

One day in January 2001, a retired soldier named Yuan Qiufu walked into a police station in Linzhou, a town not far from Anyang, and told the officer on duty that he had raped, robbed and strangled 18 women. He provided voluminous details of his killing rampage that included an unerring account of the rape and murder of Ms. Jia and the theft of a green alarm clock.

Reversal of Fortune

Even in the world's most populous country, such definitive exonerations are not common. But this year alone about a dozen similar reversals of fortune have come to light, suggesting that legal officials and the state media are paying more attention to problems in the judicial system - and that such problems run deep.

For example, last May, She Xianglin, a 39-year-old former security guard in Hubei Province, was released from jail after serving 11 years when his wife, whom he was convicted of murdering, returned for a visit. In 1994, she had run away and remarried in another province. The police decided that a body they found must be the wife's and that Mr. She must have killed her.

In June, a 30-year-old laborer in Shanxi Province was released from custody after a boy he confessed to killing and dumping into the Yellow River last year came back home. The boy had migrated to a city to find work.

In July, three police officers in Yunnan Province were convicted of torturing a man into saying he killed a prostitute. The man had been scheduled to go to trial for murder in 2002 when someone else admitted committing the crime.

Official statistics show such abuses are numerous. The Supreme People's Procuratorate, China's Justice Department, said in July that 4,645 criminal suspects had suffered human rights violations, including torture during inquisitions, in the previous 12 months.

Top officials are pushing to improve criminal procedures. Some legal scholars say one measure under consideration could give suspects the right to have a lawyer present during interrogations.

But such changes, if they come, will take time. China's Communist Party-run legislature has been urged to consider many new protections, like a right to remain silent. But such proposals have gone nowhere because the police steadfastly oppose them.

The last time the government overhauled criminal law procedures, in 1996, it toughened an existing ban on forced confessions, while declaring that suspects were entitled to a presumption of innocence. The current publicity campaign effectively acknowledges that the 1996 rules did not have the desired effect.

One obstacle is China's long history, in which criminal law was viewed as an extension of the power of the emperor rather than an objective code that applies to everyone. Confession amounted to a submission to authority, while a plea of innocence was viewed as a form of rebellion.

The legal code of the Tang Dynasty, for example, specified that guilt could only be finally assigned through confession, and that cases could not be officially recorded without a confession.

Li Bin, a defense lawyer and former government prosecutor in Yunnan, who was involved in the trial of the three

policemen on charges of forcing a confession, said the problem was systemic.

In China’s top-down political system, the police, prosecutors and judges respond mostly to incentives from above, Mr. Li said. They pay a much higher price for failing to maintain the appearance of social order than for torturing suspects, he said.

“The judicial system is set up to protect the authority of the government,” he said. “It is not set up to protect the rights of suspects.”

‘No Hard Feelings’

The disclosure that Mr. Yuan, the serial killer, had murdered Ms. Jia set off alarm bells among Anyang officials. But the concern was the possibility that the wrongful arrest, prosecution and conviction of Mr. Qin could damage careers, Mr. Qin’s family members and an investigator in the case who is based in Beijing said.

The officials’ response was to suppress the new information - and keep Mr. Qin on death row.

The investigator talked to the local officials involved, but asked to remain anonymous because of restrictions on speaking with reporters. He said that the authorities in Linzhou, who were handing the case of Mr. Yuan, and those in Anyang, responsible for Mr. Qin’s incarceration, agreed between themselves to keep the crucial part of Mr. Yuan’s confession secret. Mr. Yuan would be prosecuted for 17 murders instead of 18, leaving Mr. Qin’s conviction intact.

“Their attitude was that if my brother was released, 20 officials would suffer,” said Qin Yanqing, Mr. Qin’s elder

brother. “But if he was executed, only one person would suffer.”

The agreement held for more than a year. It came to light only after an official in Linzhou joked about the matter to a reporter for a national legal affairs publication. Although the reporter did not publish an article on the subject, he did alert authorities in the capital, who ordered an inquiry.

In May 2002, a provincial-level legal investigation determined that Mr. Qin should be released. He was given a suite at a hotel. The Anyang County police organized a banquet.

“When I got back to my room, I cried and cried,” he said. “I could not control myself.”

A few days after his release, Mr. Qin went to the county police station and demanded to see Mr. Shen. The detective rushed out of a meeting to greet him, shaking his hand and apologizing profusely, Mr. Qin recalled.

“He said my case had been a severe lesson for them all,” he said.

But whether they treated it that way is unclear. It took Mr. Qin and his brother several months to negotiate compensation. Local authorities eventually agreed to the equivalent of $35,000 in damages for four years of incarceration on false charges.

But the payment came with strict conditions. Mr. Qin had to agree not to talk about the matter with the news media or to petition higher authorities for more money.

He initially accepted those terms. But he broke the pledge this year, he said, because the authorities had refused to

fully exonerate him. Although he has a notice from the police confirming that he was arrested in error, the notice attributes the arrest to a “work mistake.” Mr. Qin has never been declared innocent of murder.

“They hope they can just make this disappear with no hard feelings and no problems for anyone involved,” he said.

The last time Mr. Qin visited the police to press for a full restitution, he discovered that Mr. Shen had been promoted. He is no longer a detective team leader, but Anyang County’s deputy chief of police.

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The Code is divided into 50 titles (listed below), which deal with broad, logically organized areas of legislation. Titles may optionally be divided into subtitles, parts, subparts, chapters, and subchapters. All titles have sections as their smallest basic coherent unit, though sections are often divided into subsections, paragraphs, and clauses. Not all titles use the same series of subdivisions above the section level, and they may arrange them in different order. For example, in Title 26 (the tax code), the order of subdivision runs Title - Subtitle - Chapter - Subchapter - Part - Subpart - Section - Subsection - Paragraph - Subparagraph - Clause - Subclause. In Title 38 (Veteran’s Benefits) the order runs Title - Part - Chapter - Subchapter - Section. Put another way, the Title is always the largest division of the Code, and the section the smallest (except for subsections, paragraphs, clauses, etc.), but intermediate levels vary in both number and sequence from Title to Title.

The word “title” in this context is roughly akin to a printed “volume,” although many of the larger titles span multiple volumes. Similarly, no particular size or length is associated with other subdivisions; a section might run several pages in print, or just a sentence or two. Some subdivisions within particular titles acquire meaning of their own; for example, it’s common for lawyers to refer to a “Chapter 11” bankruptcy or a “Subchapter K” partnership.

A sample citation would be 5 U.S.C. § 552a, the Privacy Act of 1974. A lawyer would read that out loud as “Title five, United States Code, section five hundred fifty-two A.”

When sections are repealed, their text is deleted and replaced by a note summarizing what used to be there. This is necessary so that lawyers reading old cases can understand what the cases are talking about. As a result, some portions of the Code consist entirely of empty chapters full of historical notes. For example, Title 8, Chapter 7 is labeled “Exclusion of Chinese.” This contains historical notes relating to the Chinese Exclusion Act, which is no longer in effect.

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Title 1 General Provisions Title 2 The Congress Title 3 The President

Title 4 Flag and Seal, Seat Of Government, and the States Title 5 Government Organization and Employees Title 6 Domestic Security Title 7 Agriculture Title 8 Aliens and Nationality Title 9 Arbitration Title 10 Armed Forces Title 11 Bankruptcy Title 12 Banks and Banking Title 13 Census Title 14 Coast Guard Title 15 Commerce and Trade Title 16 Conservation Title 17 Copyrights Title 18 Crimes and Criminal Procedure Title 19 Customs Duties Title 20 Education Title 21 Food and Drugs Title 22 Foreign Relations and Intercourse Title 23 Highways Title 24 Hospitals and Asylums Title 25 Indians Title 26 Internal Revenue Code Title 27 Intoxicating Liquors Title 28 Judiciary and Judicial Procedure Title 29 Labor Title 30 Mineral Lands and Mining Title 31 Money and Finance Title 32 National Guard Title 33 Navigation and Navigable Waters Title 34 Navy (repealed) Title 35 Patents Title 36 Patriotic Societies and Observances Title 37 Pay and Allowances Of the Uniformed Services Title 38 Veterans’ Benefits Title 39 Postal Service Title 40 Public Buildings, Property, and Works Title 41 Public Contracts Title 42 The Public Health and Welfare Title 43 Public Lands Title 44 Public Printing and Documents Title 45 Railroads Title 46 Shipping Title 47 Telegraphs, Telephones, and Radiotelegraphs Title 48 Territories and Insular Possessions | Title 49 Transportation | Title 50 War and National Defense

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1. You are not a superman.
[illegible]
2. If it’s stupid but works[illegible]it isn’t stupid.
[illegible]
3.Don’t look conspicuous - it draws fire. (This is why aircraft

carriers are called “Bomb Magnets”.) | [illegible]
[illegible]”[illegible]” | [illegible]

4. Never share a foxhole with anyone braver than you are.
[illegible]
5. Never forget that the lowest bidder made your weapon.
[illegible]
6. If your attack is going really well[illegible]it’s an ambush.
[illegible]
7. All five-second grenade fuses will burn down in three seconds.
[illegible]
8. Try to look unimportant because bad guys may be low on ammo.

[illegible] | [illegible]

9. If you are forward of your position□the artillary will fall short.

[illegible]

10. The enemy diversion you are ignoring is the main attack.

[illegible]

11. The important things are always simple.

[illegible]

12. The simple things are always hard.

[illegible]

13. The easy way is always mined.

[illegible]

14. If you are short of everything except enemy. You are in

combat. | [illegible]

15. Incoming fire has the right of way.

[illegible]

16. If the enemy is in range, SO ARE YOU!!!

[illegible]

17. No combat ready unit has ever passed inspections.

[illegible]

18. Things that must be together to work usually can't be
shipped together.

[illegible]

19. Radio's will fail as soon as you need fire support desperately.

[illegible]

20. Anything you do can get you shot - including doing nothing.

[illegible] — [illegible]

21. Tracers work both ways.

[illegible]

22. The only thing more accurate than incoming enemy fire is
incoming friendly fire.

[illegible]

23. Make it tough for the enemy to get in and you can’t get out.

[illegible]

24. If you take more than your fair share of objectives, you will
have more than your fair share of objectives to take.

[illegible]

25. When both sides are convinced that they are about to lose,
they are both right.

[illegible]

26. Professional soldiers are predictable but the world is full of
amateurs.

[illegible]

[illegible]Google[illegible]Murphy’s Laws Of Combat Operations[illegible]

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> “□□□□□□□□□□□□□□□□□□□□□□□□□□” □Playfully doing something difficult, whether useful or not, that is hacking.□

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2. All information should be free.

3. Mistrust Authority—Promote Decentralization.

4. Hackers should be judged by their hacking, not bogus criteria such as degrees, age, race, or position.

5. You can create art and beauty on a computer.

6. Computers can change your life for the better.

” ” Sharing Openness Decentralization Free access to computers World Improvement

” ” ” ” ” ” Richard Stallman Unix Dennis Ritchie Ken Thompson Donald Knuth Linux Linus Torvalds ” ” Eric S. Raymond Bill Gates

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Steven Levy

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[illegible]·[illegible]（Charles Kettering，1876-1958）[illegible]27[illegible]（1920-1947）[illegible]

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1.

The whole fun of living is trying to make something better.

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2.

The key to economic prosperity is the organized creation of dissatisfaction.

[illegible]

3.

It’s amazing what ordinary people can do if they set out without preconceived notions.

[illegible]

4.

My interest is in the future because I am going to spend the rest of my life there.

[illegible]

5.

Nothing ever built arose to touch the skies unless some man dreamed that it should, some man believed that it could, and some man willed that it must.

[illegible]

6.

People are very open-minded about new things - as long as they’re exactly like the old ones.

[illegible]

7.

So few have imagination that there are ten thousand fiddlers to one composer.

[illegible]

8.

The world hates change, yet it is the only thing that has brought progress.

[illegible]

9.

A problem well stated is a problem half solved.

[illegible]

10.

If you want to kill any idea in the world, get a committee working on it.

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11.

It is easy to build a philosophy - it doesn’t have to run.

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Joshua M. Brown

1913—2010

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China’s Research Culture

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Science

3 September 2010: | Vol. 329. no. 5996, p. 1128

Yigong Shi[1], Yi Rao[2],

[illegible]

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2. Yi Rao is a professor and dean of the School of Life Sciences at Peking University, Beijing, China. E-mail: yrao@pku.edu.cn

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Government research funds in China have been growing at an annual rate of more than 20%, exceeding even the expectations of China’s most enthusiastic scientists.

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In theory, this could allow China to make truly outstanding progress in science and research, complementing the nation’s economic success.

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In reality, however, rampant problems in research funding—some attributable to the system and others cultural—are slowing down China’s potential pace of innovation.

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Although scientific merit may still be the key to the success of

smaller research grants, such as those from China’s National Natural Science Foundation, it is much less relevant for the megaproject grants from various government funding agencies, which range from tens to hundreds of millions of Chinese yuan (7 yuan equals approximately 1 U.S. dollar).

For the latter, the key is the application guidelines that are issued each year to specify research areas and projects.

Their ostensible purpose is to outline “national needs.” But the guidelines are often so narrowly described that they leave little doubt that the “needs” are anything but national; instead, the intended recipients are obvious.

Committees appointed by bureaucrats in the funding agencies determine these annual guidelines. For obvious reasons, the chairs of the committees often listen to and usually cooperate with the bureaucrats.

“Expert opinions” simply reflect a mutual understanding between a very small group of bureaucrats and their favorite scientists.

This top-down approach stifles innovation and makes clear to everyone

that the connections with bureaucrats and a few powerful scientists are paramount, dictating the entire process of guideline preparation.

To obtain major grants in China, it is an open secret that doing good research is not as important as schmoozing with powerful bureaucrats and their favorite experts.

This problematic funding system is frequently ridiculed by the

majority of Chinese researchers. And yet it is also, paradoxically, accepted by most of them.

Some believe that there is no choice but to accept these conventions. This culture even permeates the minds of those who are new returnees from abroad; they quickly adapt to the local environment and perpetuate the unhealthy culture.

A significant proportion of researchers in China spend too much time on building connections and not enough time attending seminars, discussing science, doing research, or training students (instead, using them as laborers in their laboratories).

Most are too busy to be found in their own institutions. Some become part of the problem: They use connections to

judge grant applicants and undervalue scientific merit.

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There is no need to spell out the ethical code for scientific

research and grants management, as most of the power brokers in Chinese research were educated in industrialized countries.

[illegible]

But overhauling the system will be no easy task.

[illegible]

Those favored by the existing system resist meaningful reform. Some

who oppose the unhealthy culture choose to be silent for fear of losing future grant opportunities. Others who want change take the attitude of “wait and see,” rather than risk a losing battle.

[illegible]”[illegible]”[illegible]

Despite the roadblocks, those shaping science policy and those working at the bench clearly recognize the problems with China’s current research culture: It wastes resources, corrupts the spirit, and stymies innovation.

[illegible]

The time for China to build a healthy research culture is now, riding the momentum of increasing funding and a

growing strong will to break away from damaging conventions.

[illegible]

A simple but important start would be to distribute all of the new funds based on merit, without regard to connections.

[illegible]

Over time, this new culture could and should become the major pillar of a system that nurtures, rather than squanders, the innovative potential of China.

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UPDATE 2010.11.08

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51.

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—— Geo Carlin□□□□□□□
Have you ever noticed that the lawyer always smiles more than the

client? | — Geo Carlin

52.

□□□anger□□□□□□danger□□□□□□□
—— □□□□
Anger is only one letter short of danger.

— Unknown

53.

[illegible]
—— [illegible]·[illegible]
In the end, we will remember not the words of our enemies, but the

silence of our friends. | — Martin Luther King, Jr.

54.

[illegible]
—— Jack Canfield[illegible]
When you constantly live your life in Have-To Land, you put yourself

in a position of pressure. | — Jack Canfield

55.

[illegible]
—— [illegible]
Anger is never without Reason, but seldom with a good One.
— Benjamin Franklin

56.

[illegible]
—— [illegible]

Courage is not the absence of fear, but rather the judgment that something else is more important than fear.

57.

[illegible]

—— Annie Dillard
Spend the afternoon. You can’t take it with you.
— Annie Dillard

58.

ODBC **VHS**
—— Ken North
Saying a database is ODBC-compliant is like saying Titanic is a

VHS-compliant movie. | — Ken North

59.

—— H. L. Mencken
Conscience is the inner voice that warns us that someone might be

looking. | — H. L. Mencken

60.

5
—— 19
A hero is no braver than an ordinary man, but he is brave five minutes

longer. | — Ralph Waldo Emerson

61.

——·
Basic research is what I am doing when I don’t know what I am doing.

— Wernher von Braun

62.

[illegible]
—— James A. Michener[illegible]20[illegible]
Character consists of what you do on the third and fourth tries.
— James A. Michener

63.

[illegible]
—— [illegible]
The Constitution only gives people the right to pursue happiness. You

have to catch it yourself. | — Benjamin Franklin

64.

[illegible]
—— [illegible]

Never argue with an idiot. They drag you down to their level and beat you with experience.

65.

[illegible]
—— Napoleon Hill[illegible]
Lack of loyalty is one of the major causes of failure in every walk of

life. | — Napoleon Hill

66.

□□□10%□□□□□□□□□□□□□□□□□□90%□□□□□□□□□□□□
—— John Maxwell□□□□□□□□
Life is 10% of what happens to me and 90% of how I react to it.
— John Maxwell

67.

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—— □□□□19□□□□□□
Shallow men believe in luck and strong men believe in cause and effect
— Ralph Waldo Emerson

68.

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Watch your thoughts; they become words. Watch your words; they become actions.

69.

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—— □□·□□
Always do right - this will gratify some and astonish the rest.
— Mark Twain

70.

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—— Will Rogers□□□□□□□
Everything is changing. People are taking the comedians seriously and

the politicians as a joke. | — Will Rogers

71.

[illegible]
—— [illegible]
If you want to live a happy life, tie it to a goal. Not to people or

things. | — Albert Einstein

72.

[illegible]
—— [illegible]
Nothing suceeds in which high spirits play no part. Only excess of

strength is proof of strength. | — Friedrich Nietzsche

73.

[illegible]
—— Les Brown[illegible]
Too many of us are not living our dreams because we are living our

fears. | — Les Brown

74.

[illegible]
—— [illegible]
He who answers before listening - that is his folly and his shame
— bible Prov 18:13

75.

[illegible]

—— [illegible]
Life is like riding a bicycle - in order to keep your balance, you

must keep moving. | — Albert Einstein

76.

[illegible]
—— John Wooden[illegible]
Don’t measure yourself by what you have accomplished, but by what you

should have accomplished with your ability. | — John Wooden

77.

[illegible]
—— [illegible]
Daring ideas are like chessmen moved forward. They may be beaten, but

they may start a winning game. | — Johann von Goethe

78.

[illegible]
—— Sam Ewig[illegible]
When you finally go back to your old hometown, you find it wasn’t the

old home you missed but your childhood. | — Sam Ewig

79.

[illegible]
—— [illegible]

When you try to dress nice it is SO hard not to judge people.
No wonder every one nicely dressed is an arse.

80.

—— Dale Turner
Character is not a gift. It is a conquest & its kingdom lives

upstream. You never get there by drifting. | — Dale Turner

81.

—— David Ogilvy
If each of us hires people who are smaller than we are, we shall

become a company of dwarfs. | — David Ogilvy

82.

——

A different world cannot be built by indifferent people.

83.

—— Mitch Hedberg
The depressing thing about tennis is that no matter how good I get,

I’ll never be as good as a wall. | — Mitch Hedberg

84.

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—— James Allen□19□□□□□□
The greatest achievement was at first and for a time but a dream.
— James Allen

85.

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——□□□□
Logic will get you from A to B. Imagination will take you everywhere.
— Albert Einstein

86.

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—— □□□□□□□□□
A little Consideration, a little Thought for Others, makes all the

difference. | — Winnie the Pooh

87.

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Bad negative thoughts are like birds flying overhead, just dont let them build a nest there.

88.

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—— □□□□□□□□□□□□□□□□
The greatest possible mint of style is to make the words absolutely

disappear into the thought. | — Nathaniel Hawthorne

89.

[illegible]
—— [illegible]·[illegible]
If it’s a good idea, go ahead and do it. It’s much easier to apologize

than it is to get permission. | — Grace Murray Hopper

90.

[illegible]
—— [illegible]·[illegible]19[illegible]
A man can fail many times, but he isn’t a failure until he begins to

blame somebody else. | — John Burroughs

91.

[illegible]
——[illegible]
All the flowers of all the tomorrows are in the seeds of today.
— Indian Proverb

92.

[illegible]
—— [illegible]
Concentrate all your thoughts upon the work at hand. The sun’s rays do

not burn until brought to a focus. | — Alexander Graham

93.

[illegible]
——Malcolm Forbes[illegible]
Education’s purpose is to replace an empty mind with an open one.
— Malcolm Forbes

94.

[illegible]
—— [illegible]
The ability to concentrate and to use time well is everything.
— Lee Iacocca

95.

[illegible]
—— Harvey H. Potthoff[illegible]
Some people who yearn for endless life don’t even know what to do with

a rainy afternoon. | —— Harvey H. Potthoff

96.

[illegible]
—— Earl Wilson[illegible]
If you wouldn’t write it and sign it, don’t say it.
— Earl Wilson

97.

[illegible]
— [illegible]·[illegible]
Everyone has talent. What is rare is the courage to follow that talent

to the dark place it leads. | — Erica Jong

98.

[illegible]
—— [illegible]

A bird doesn’t sing because it has an answer, it sings because it has a song

99.

[illegible]
—— [illegible]
Sometimes you win and sometimes you learn.
— Robert Kiyosaki

100.

[illegible]
—— [illegible]
You have not lived until you have done something for someone who can

never repay you. | — Anonymous

101.

[illegible]
——[illegible]20[illegible]
In modern war… you will die like a dog for no good reason.
— Ernest Hemingway

102.

[illegible]
——[illegible]
Tis foolish to fear what you cannot avoid.

— Publilius Syrus

[illegible]

Note

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[illegible]White Tiger[illegible]

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Running from trouble does not particularly suit my character. But because many people in China and abroad had heard my angry denunciations through the radio, my friends and relatives began to worry about my

safety in case the government would come to settle accounts with me. In those early days after the massacre, many people who voiced support for the students and denounced the fovernment were arrested and taken away to prison. People said that those who got arrested were usually brutally beaten and some were even killed. One heard all sorts of stories. It is inpossible to tell which ones were true or exaggerated. Anyway many people disappeared during that period. Some may have gone into hiding while others might have arrested or killed. For over a week Beijing became a ghost city under the reign of white terror.

One evening when Gladys and I were just chatting with a neighbour, an American expert, an old friend of mine who worked in the Foreign Languages Bureau but in a different section, suddenly sent his maid over with a note. The note said that he had heard from reliable sources that the security police might come and arrest me — either that evening or the next. In those days we heard that most people arrested were taken away at night, after ten o'clock, so that it would not cause any commotion. He suggested that I should go into hiding at once. He would send someone to fetch me at the corner of the street, and I should leave immediately, taking no luggage at all, so that it would not arouse suspicion at the bureau.

I then called Gladys to come out of the sitting room and whispered to her the content of the message. I told her not to worry, that I would come back in a few days, and there would be people passing news of my whereabouts to her. Then I left. I was met by that friend's son at the corner of the main street. It was getting dark and had started raining a bit, but there still some old people on the roadside chatting about the recent events. My

friend's son made me sit on the back of his bicycle and took me to his house. I was given a room to stay in and told not to come out. They looked after me very well for two nights and told me the news they heard from outside.

In those days, there were still sounds of sporadic shooting at night. Then they heard there had been soldiers searching a peasants' hotel nearby and some people there were arrested or shot. They decided it was not safe for me to stay in that district. I must leave beijing, either to hide myself in another city or get a false passport and get out of China. I told them that I had no intention of leaving China, and certainly not with a false passport. They insisted that I must not go home for the time being. So I said I would take a trip to Changchun in the north-east to see my daughter Zhi, who had just had a new baby, and they agreed. My friend then got me a the train ticket and arranged to have a young man escort me to see that I arrived safely. They even advised me to wear dark glasses and a cap to disguise myself.

The journey went without mishap. I did not wear the cap nor the dark glasses. During that period the train authorities did have to check up on a passenger's identity so I showed them my PPCC card with my name and photograph and the examined it, but nothing happened.

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My big thing is I don’t know.

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That is What I preach. I preach the gospel of I don’t know!

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I mean that’s what I’m here promoting—doubt. That is my product. The other guys are selling certainty, not me.

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[illegible] Journal paper [illegible]

1. Abstract:

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2. Introduction:

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3. Main Body(□□):

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□□□□□ □□, □□□□ theorems, corollary, □ remarks, □□□ proofs□

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4. Conclusions & Discussions:

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* [A graduate school survival guide: “So long, and thanks for the Ph.D!”](#)

* [Professional Tips for PhD Students](#) □□□Carrie□□□□□□

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[illegible]Calculated Risk[illegible]

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98%[illegible]25%[illegible]

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2009[illegible]

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[illegible]……[illegible]8 really, really scary predictions[illegible]8[illegible]

8[illegible]2009[illegible]4000[illegible]8600[illegible]

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* 2009[illegible]GDP[illegible]2010[illegible]2011[illegible]1%[illegible]

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> 2007[illegible]11[illegible]17[illegible]

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2008[illegible]11[illegible]6[illegible]96[illegible]

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3. 2000[illegible]1[illegible]1[illegible]

image3

4. 2001[illegible]9[illegible]12[illegible]911[illegible]

|image4|

[illegible]……[illegible]700[illegible]

[illegible]75000[illegible]

image5

image6

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> “People want it as a souvenir,” said Rose Barmas, who runs a newsstand at Broadway and 116th Street. She said her daily papers were sold out by 9 a.m., including 180 copies of The Times.
>
> Rose Barmas[illegible]116[illegible]”[illegible]”[illegible]9[illegible]180[illegible]
>
> Sonia Pusey, 38, of a writer from Brooklyn, snagged the last paper, sending up a groan from the people lined up behind her.
>
> 38[illegible]Sonia Pusey[illegible]
>
> Ms. Pusey said she got to her newsstand in Brooklyn at 8 a.m. and asked the clerk to hold the last copy of The Times for her while she went to a cash machine. When she returned, he had sold it.
>
> Pusey[illegible]8[illegible]
>
> “I said, ‘Do you know what you just sold?’ ” she recalled. ” ‘You just sold history.’ “
>
> [illegible]”[illegible]”

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lines_of_ny_times.html □□: □□□

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3. [illegible]1982[illegible]1999[illegible]
4. 2008[illegible]1999-2003[illegible]
5. [illegible]12[illegible]

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Shallow men believe in luck. Strong men believe in cause and effect. - Ralph Waldo Emerson

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http://www.ruanyifeng.com/blog/2008/10/historical_prices_for_the_dow_jones.html □□: □□□

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14. **[illegible]**

1992[illegible]100[illegible]2007[illegible]880[illegible]15[illegible]9[illegible]

2007[illegible]1078.07[illegible]4.5%[illegible]

15. **[illegible]**

[illegible]1978[illegible]1.7[illegible]2007[illegible]5.7[illegible]44%[illegible]
[illegible]2005[illegible]80.8%[illegible]

16. **[illegible]**

2007[illegible]3.67[illegible]1.8[illegible]

[illegible]10.30[illegible]6.88[illegible]

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17. [illegible]

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18. [illegible]

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2008[illegible]15[illegible]

19. [illegible]

2007[illegible]40.1%[illegible]80%[illegible]

20. GDP[illegible]

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[illegible]GDP[illegible]2%[illegible]1.95[illegible]-0.9[illegible]0.58[illegible]0.4[illegible]

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> A funny thing happened to me this morning ...
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|Lehman Brothers|

1. □□□□□□□□□Lehman Brothers Holdings Inc.□

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The largest bankruptcy case in history. The storied investment bank became the latest financial company to fall prey to the current credit crisis. According to Banruptcydata.com, Lehman’s assets before filing for bankruptcy were six to seven times the pre-filing assets of the second-largest bankruptcy since 1980.

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|Worldcom|

2. □□□□□WorldCom, Inc.□

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A month after an accounting scandal made headlines, the telecommunications company, once the second-largest long-distance carrier in the U.S., filed for bankruptcy. Several WorldCom executives subsequently pleaded guilty to fraud charges, with CEO Bernard Ebbers sentenced to 25 years in prison. The company emerged from bankruptcy in 2004 as MCI Inc.

WorldCom□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□
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2004□□□□□□□□□□□□□MCI□□□

|Enron|

3. □□□□□Enron Corp□

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The high-flying energy company made billions trading esoteric derivatives until insiders blew the whistle on Enron’s massive accounting fraud — prompting a bankruptcy filing that rocked the U.S. financial world. The company was instantly devalued and thousands of employees laid off, their pensions evaporated. Executives Kenneth Lay and Jeffrey Skilling were both convicted of fraud and other charges, although Lay died before being sentenced.

□□-□□Kenneth Lay□□□□□-□□□□Jeffrey Skilling□□□□□□□□□□□□□□□□□□□□□-□□□□□□□□

|Conseco|

4. Conseco □□

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Shares of Conseco, an Indiana-based finance and insurance company, once traded as high as $58, but were worth less than $1 when the conglomerate declared bankruptcy. The company had racked up massive debt due to multiple acquisitions and loans to officers to buy company stock. Conseco emerged from bankruptcy in 2003.

Conseco□□□□□□□□□□□□□□□□□□□□□□□□□□□□□58□□□□□□□□□□□□□□□□□□□□1□□□□□□□□□□□□□□□□□□□□□□□□□□□Conseco□□□□□□□□□□Conseco□□□2003□□□□□□□□

|Texaco|

5. □□□□□□□□Texaco, Inc.□

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The oil company filed for bankruptcy protection after a court said it owed Pennzoil $10.5 billion in damages stemming from an earlier merger agreement. Texaco eventually paid Pennzoil $3 billion, emerged from bankruptcy after 361 days and later became part of Chevron.

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Chevron□□□

|Financial Corp. of America |

6. □□□□□□□Financial Corp. of America□

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The Financial Corp. of America declared bankruptcy after a $2 billion federal bailout of its primary subsidiary, the American Savings and Loan Association, during the savings and loan crisis of the late 1980s.

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|Refco|

7. Refco□□

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The commodities brokerage filed for bankruptcy just two months after going public. Scandal englufed the company, with several executives arrested, including former president Tone N. Grant, who was sentenced in August of this year to 10 years in prison for covering up debt.

□□
□□□Tone N. Grant□□□□□□□□□□□□□□□□10□□

|Global Crossing |

8. Global Crossing, Ltd.

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The telecommunications company spent billions laying fiber-optic

cables to carry the world’s surging Internet traffic, but Global Crossing found itself stretched too thin when the dotcom bubble burst. After it emerged from bankruptcy in late 2003, top executives were ordered to return $325 million to investors as a result of a class-action lawsuit. Executives were also investigated by Congress; although none were charged, three were fined $100,000 by the Securities and Exchange Commission. | □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Global Crossing□□□□□□□□□□□□□□□ 2003□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□3.25□□Securities and Exchange Commission□□□10□□□□

|Pacific Gas and Electric |

9. □□□□□□□□□□□□□Pacific Gas & Electric Company□

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California’s largest publicly owned utility. In the later 1990s, under

electricity market deregulation this utility sold off most of its natural gas power plants. With little generating capacity of its own, and unable to sell electricity to consumers for more than it could buy it on the open market, PG&E was forced to enter Chapter 11 bankruptcy April 6, 2001. The State of California bailed out the utility, the cost of which worsened an already bad state budget situation. This played an important part in the eventual recall of California Governor Gray Davis. PG&E emerged from bankruptcy in April 2004, after distributing $10.2 billion to hundreds of creditors. | □□□□□□□□□□□□90□□□□□□□□□□□□□□□□□□□□□□2001□□Gray Davis□□□2004□4□□□□□□□□□102□□□□□□□□□□□□

|UAL |

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□□□□□2002□12□9□

A major airline of the United States. Coupled with a battered network (after the dot-com bust), the September 11 attacks, and skyrocketing oil prices, the company lost $2.14 billion in 2001 on revenues of $16.14 billion. Unable to secure additional capital, UAL Corporation filed for chapter 11 bankruptcy protection in December. United continued operations during its bankruptcy, but was forced to cut its costs drastically. The bankruptcy court approved the restructuring plan on January 20, 2006, clearing the way for

United to exit bankruptcy on February 1, 2006, and finally return to normal operations.

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Bonus Quote□

A bank is a place where they lend you an umbrella in fair weather and ask for it back when it begins to rain. - Robert Frost(March 26, 1874 - January 29, 1963)

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Bloomberg[illegible]Michael Lewis[illegible][illegible]
(Bright Side of a Total Financial Market Collapse)[illegible]

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> 3. Ordinary Americans get a lesson in low finance.
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> 3[illegible]
>
> Our willingness to believe that we can hire some expert to tell us how to outperform markets is a big problem, with big consequences. It underpins Wall Street's brokerage operations, for instance, and leads to a lot more people giving out financial advice than should be giving out financial advice.
>
> [illegible]
>
> Thanks to the current panic many Americans have learned that the experts who advise them what to do with their savings are, at best, fools. Merrill Lynch & Co., Morgan Stanley, Citigroup Inc. and all the rest persuaded their most valuable customers to buy auction-rate bonds, telling them the securities were as good as cash.
>
> [illegible]

> Those customers will now think twice before they listen to their brokers ever again.
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> [illegible]

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[illegible][illegible]（A Random Walk Down Wall Street）[illegible]

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> **If you read 10 newspapers a day … Sometimes you simply have to wonder, what I thought was the same story, how can it be so different?**

> [illegible]**10**[illegible]

[illegible]”[illegible]”

[illegible]

> **My goal in running the blog is neither fame nor fortune, but it is a personal attempt to bring about a social transformation. I want people to think. I want for people to decide for themselves. If that is social transformation, you can say yes.**

> [illegible]

|image1|

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> I speak English and Chinese (Cantonese, Shanghainese and putonghua, in order of decreasing fluency). But I can easily read (and am required professionally to read) French, Spanish and Portuguese (in order of decreasing fluency). There are also several university courses in German and Japanese in my life, but I don’t know where they went …

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Philip Pan □□

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> “That’s a very tough question. …There is a concern, and I think a legitimate concern, that the more we push for change, we, meaning the United States government pushes for change in China, the more of a backlash there is by the hardliners. **It gives the people in power who want to resist change, an excuse to, and it gives them not only an excuse, but it gives them an enemy. They can use this to rally the public, this is another reason they’ve been so successful.**”

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Part of the answer is that the priority isn't really with the Olympics. Their priority really isn't the west. They want to use this Olympics to send a message to their own people, most of all. They want to demonstrate to the Chinese people that their government is legitimate, that it has been successful, and that world approves of the government.

And when I say "this government", I mean the one-party system, in effect. You know, communism as an ideology is dead, essentially. But the Communist Party needs something to justify its continuing rule. And using the Olympics was part of their strategy, I think.

They're worried about what the Chinese people think of the Party. They don't want the Chinese people to know that there are other voices. **They want to present a united front, that this is an effective government, that everyone is happy with it, that this political system, a one-party political system merged with capitalism, can be just as effective as a democratic system in the west. And they want their people to believe that. **

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I've asked them that. They have long answers about ideology and all that, how this capitalism is only a temporary phase, that they're using this to achieve real communism. But there are aspects of the political system, I think, that recall communism. I don't know if it's the communism that Marx might have envisioned. But it's still a one-party state. They still have a

propaganda bureau. They still control the press and the television stations and the radio stations.

They're not willing to let go of that legacy. They need that in order to stay in power. **They're worried that if they allowed checks on the market forces, that if they allowed workers to organize, that their own political power would be threatened.**

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BILL MOYERS: **What you describe is a fusion of capitalism and authoritarianism that can resemble a mafia organization. That's a criminal enterprise.**

PHILIP PAN: It is a criminal enterprise, in parts of the country.

BILL MOYERS: The government?

PHILIP PAN: The government. … **They've been able to manage patriotism and shift that into nationalist support for the party. You know, if you love your country, you must love this political system. You must love this party, as well. And they've been able to do that.**

Captalism + Authoritarianism = Mafia□□□□□□□

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http://www.ruanyifeng.com/blog/2008/08/philip_pan.html □
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By BILL CARTER

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International trade will bring about equalization in the relative and absolute returns to homogeneous factors across nations.

Dominick Salvator International Economics, Fifth Edition

5.5 125-131

Factor Endowments Theory

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http://www.ruanyifeng.com/blog/2008/05/why_western_workers_have_a_higher_salary.html □□: □□□

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Life is too short

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> Dear Baby,
>
> [illegible]
>
> If I was writing you a letter, it would probably sound something like an apology.
>
> [illegible]

I know everyone deserves a mama who'd want a nice baby such as yourself, who was also a good wife, a fine member of society. And I can't rightly say that I'm any of that, and I'm not sure the world is such a fine place to be bringing you.

Many of the people I've met are not worth meeting. Many of the things that happen are not worth living through.

And you shouldn't take it personal, baby, if I don't seem like all the other mamas-to-be, jumping all over themselves with joy. I frankly don't know what I got to give you, baby.

What if I leave Earl and don't win that contest next week and don't have no money? What the hell am I going to do with you then?

You sure is getting fat, baby. All my life, baby, the only thing I ever want to do is run away. What kind of mama is that?

I wish I could feel other things, baby. Like excitement that you're with me now or faith that I'll be a good

mama, even if my life ain't such a good place and the world as I see it ain't so pretty like they'd have you believe in this book.

[illegible]

Anyway, I'm writing this letter to you. It sounds more like a letter to me, don't it?

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Love, Mama.

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> Well, basically the short answer is that my life is getting busier, I'm wanting to try some new things, and I don't think I'll be able to do justice to moderating the mailing list in the time I expect to have left over. So I'm retiring this list while it's still reasonably active and popular, so folks have a chance to consider and discuss where to go next.
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[illegible]Thomas Friedman[illegible]Paul Krugman[illegible]
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Milton Friedman[illegible]Blog[illegible]

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* [illegible]The Dallas Morning News[illegible]

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[illegible]”[illegible]”[illegible]”Ig Nobel Prize”[illegible]”ignoble”[illegible]

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> Sword swallowers run a higher risk of injury when they are distracted or adding embellishments to their performance, but injured performers have a better prognosis than patients who suffer iatrogenic perforation.
>
> [illegible]

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* [The 2007 Ig Nobel Prize Winners](#)

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> Some of us were here on these IMDb message boards when interest in Brokeback Mountain was at its apex.
>
> [illegible]
>
> One of the most interesting discussions was about internal symbolic connections in the film, or what some people called “bookends”.
>
> [illegible]
>
> It might be interesting to try and find similar connections in Lust, Caution. Here are some examples:
>
> [illegible]
>
> - After his first conversation with Jiazhi, Yee turns back to look
>
> at her. At the end of the film, he turns back to look at the bed, now empty.
>
> -

[illegible]

- The film opens with a shot of a guard dog. In the middle of the

second sex scene, we cut again to a shot of the guard dog. It’s a jarring switch, as though to remind us what the circumstances and the stakes are in their affair.

-

[illegible]

- The murder scene and the rape scene, both extremely violent and

politically fraught, are shot in a very similar way, with the action seen both from indoors and outdoors.

-

[illegible]

- This one may be a bit more of a stretch: The film hints often at

the love affair that might have been between Kuang Yu Min and Wang Jiazhi. In their student days it comes closest to being acknowledged during the tram ride after the triumph with their play. When they meet again three years later, the shot that reintroduces Kuang Yu Min to the story has a tram passing in the background.

•

[illegible]

Any other examples?

[illegible]

[illegible]

When Mr Yi does his very final gesture, sitting on the empty bed, there is suddenly a ‘Gong’ from auto-bell. In BBM, when Jack’s father announces that Jack ashes will be put into a family plot, the same ‘Gong’ is heard. Both cases remaind me the court room where a final verdict is delivered.

[illegible]

[illegible]

The first time the group called “Wang Jiazhi,” she was called to join “the show,” while she played the lead. The second she remmebered their calling “Wang Jiazhi,” she was called to joing “the end,” while curtain drops.

[illegible]

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[illegible]2007[illegible]IPCC[illegible]

[illegible]James Fallows[illegible]Blog[illegible]

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Gore laureatus

[illegible]

12 Oct 2007 07:03 pm

[illegible]James Fallows

[illegible]
http://jamesfallows.theatlantic.com/archives/2007/10/gore_aureatus.php

Through odd circumstances, I ended up introducing Al Gore at a technology-world conference 36 hours before the Peace Prize news was announced, and then seeing him from the back of the room at his post-award appearance this morning in Palo Alto.

[illegible]36[illegible]Palo Alto[illegible]

Three quick points:

[illegible]

1) Whatever he must be feeling inside, Gore’s statement was as non triumphalist-sounding as imaginable.

1[illegible]

He said that the recognition was all the more significant because he had the honor of sharing it with the Intergovernmental Panel on Climate Change; that he hoped this would help get out the message about a planetary emergency; that he would go to Oslo on behalf of the thousands of people who had been working on this issue for years; etc.

[illegible]IPCC[illegible]

He allowed himself not one displayed note of “I told you so.”

[illegible]

Update: Yes, of course I understand the Uriah Heepish concept of “ostentatious modesty.” But in real time, and in the circumstances, it was an impressive statement.

[illegible]”[illegible]”[illegible]

2) For nearly seven years, anyone watching or thinking about Gore has to have wondered: how can he stand it?

2[illegible]

How could he get up each day and see George W. Bush in action, or watch his former boss Bill Clinton basking in the

fruits of the post-presidency, knowing what had happened to him in 2000?

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From the Buchanan ballots to Ralph Nader to Katherine Harris to Bush v. Gore. Life is unfair, but that was unreasonable; Gore has to feel less Job-like now.

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I would love to have heard Jimmy Carter’s congratulatory phone call to know how the two men signaled their shared understanding of the redemptive power of this prize.

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3. The press:

3□□□□□□

The Gores appeared in a very small room jam-packed with with TV cameras.

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Just before they stepped to the microphone, an aide announced that Gore would make a brief statement but take no questions.

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“Then why are we here??” a TV man next to me grumbled “One camera, one still photographer, that would do it.”

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The instant Gore finished his statement and before he'd taken the few steps to the door, three questions were shouted out simultaneously: "Are you running?" "What about the Presidential race?" And one other I could quite hear, but also about his political intentions and not, of course, about the prize, the climate issue, his recommendations, etc.

[illegible]"[illegible]""[illegible]"[illegible]

In a way it's reassuring when people behave completely according to stereotype. But it can be a little depressing too.

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- * $81.00 for Introduction to Electrodynamics by Griffiths (Prentice-Hall, 1989)
- * $90.80 for Classical Dynamics by Marion and Thornton (Holt, Rinehart & Winston, 1995)
- * $83.40 for Introductory Quantum Mechanics by Liboff (Addison-Wesley, 1997)
- * $83.33 for Modern Physics by Taylor and Zafiratos (Prentice-Hall, 1991)
- * $85.55 for Optics by Hecht (Addison-Wesley, 1997)
- * $82.38 for Introduction to Solid State Physics by Kittel (Wiley, 1996)
- * $84.80 for Heat and Thermodynamics by Zemansky and Dittman (McGraw-Hill, 1997)
- * $59.95 for Thermal Physics by Kittel and Kroemer (Freeman, 1980)
- * $55.00 for Principles of Quantum Mechanics by Shankar (Plenum, 1994)

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- * [illegible]Authors’ royalties[illegible]75%[illegible]12%[illegible]80[illegible]60[illegible]7.20[illegible]
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Dan Schroeder 80

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Dan Schroeder

Email

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* Some Thoughts on Physics Textbook Prices

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http://www.ruanyifeng.com/blog/2007/09/why_have_textbooks_gotten_more_expensive.html :

: http://www.me115.com

Alan Shore [illegible]

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Alan Shore[illegible]

[illegible]

1.

[illegible]

> You know we have a little saying in Massachusetts. Maybe someday you'll get horribly sick and die. Until then I wish you continued health and happiness in the future.
>
> [illegible]

2.

[illegible]

> Jerry, you know I have a tremendous affection for my own intelligence, and even I think you are smarter than me.
>
> [illegible]

3.

[illegible]

> No, I'm much funnier when I'm kidding.

[illegible]

4.

[illegible]Alan Shore[illegible]

you’re about to experience one firsthand.See you in court.

[illegible]

5.

[illegible]Alan Shore[illegible]

You know what they say, You never forget your first time.

[illegible]

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[illegible]argument[illegible]argument[illegible]

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[illegible]argument[illegible]argument[illegible]

[illegible]

Groom: I absolutely planned to marry her.

[illegible]

Lawyer: Well? What happened, Mike?

[illegible]Mike[illegible]

Groom: I just… I panicked.

[illegible]……[illegible]

Lawyer: At that particular moment?

[illegible]

Groom: Look, I had a phobic kind of thing about losing control of my life. Frannie, she, she picked out the caterer, the church, the minister, the reception hall, and it just hit me. That wedding was a microcosm of marriage, with every decision to be made by her. I just panicked.

[illegible]Frannie[illegible]

Lawyer: Didn’t you think of how embarrassing it would be for her?

[illegible]

Groom: And for me, too. I was the one standing up there looking like an idiot, but we were at the “speak now or forever hold your peace” part. What other choice did I have?

[illegible]”[illegible]”[illegible]

Lawyer: As I understand your testimony, you just weren’t ready to get married.

[illegible]

Groom: That’s right.

[illegible]

Lawyer: It’s a huge decision. It affects your whole life.

[illegible]

Groom: Yes.

[illegible]

Lawyer: It affects her life.

[illegible]

Groom: Of course.

[illegible]

Lawyer: You, you seem like a considerate sort of guy. Are you?

[illegible]

Groom: I think so.

[illegible]

Lawyer: You must’ve sensed that, uh, when you left her at the altar like that, it would be a big number on her. You weren’t insensitive to that.

[illegible]

Groom: No, but again… what else could I have done?

[illegible]……[illegible]

Lawyer: Well, yes. Would it be unreasonable to say…. that the groom incurs a duty to perhaps sort out his feelings before 30 minutes into the ceremony?

[illegible]……[illegible]30[illegible]

Groom: Well, uh…

[illegible]……

Lawyer: That’s not unreasonable, is it? for the groom to be sure before he walks down the aisle? Is that unreasonable?

[illegible]

Groom: I guess not.

[illegible]

Lawyer: Ever tell her you’re sorry?

[illegible]

Groom: Of course I did.

[illegible]

Lawyer: Want to tell her now?

[illegible]

Groom: Frannie, I’m sorry.

[illegible]Frannie[illegible]

[illegible]

Lawyer: You must’ve sensed that, uh, when you left her at the altar like that, it would be a big number on her. You weren’t insensitive to that.

[illegible]

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[illegible]……[illegible]

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[illegible]……[illegible]30[illegible]

Groom: Well, uh…

[illegible]……

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[illegible]

Groom: I guess not.

[illegible]

[illegible]

[illegible]

Lawyer: Ever tell her you’re sorry?

[illegible]

Groom: Of course I did.

[illegible]

Lawyer: Want to tell her now?

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Groom: Frannie, I’m sorry.

□□□Frannie□□□□□□

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[illegible]·[illegible]1932—1972[illegible]1979[illegible]

Richard Knerr and Arthur Melin, co-owners of an enterprise called the Wham-o Manufacturing Company, had started making slingshots after World War II with less than $1,000 capital.

[illegible]·[illegible]·[illegible]—[illegible]

In 1957 they had racked up their first big score with Frisbees, light plastic saucers which could be skimmed slowly through the air from one thrower to another.

[illegible]1957[illegible]

At a New York toy fair in March 1958 an acquaintance told them that large wooden hoops had achieved swift and startling popularity in Australia;

1958[illegible]3[illegible]

children rotated them on their hips.

[illegible]

Back at Wham-o, Knerr and Melin went into production with wooden hoops.

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After twenty or so they stopped; they didn’t like wood and wanted to experiment with plastics.

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In May they had what they wanted: three-foot hoops of gaudy polyethylene tubing which could be marketed at ninety-three cents each, representing a 16 percent gross profit.

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Wham-o’s new toy was christened the hula hoop.

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Patenting the hoops was impossible and by Labor Day a dozen other firms were turning out imitations under other trademarks.

□□□

Even so, by early September Wham-o had sold two million hula hoops for a net profit of over $300,000.

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Then adults started using them for calisthenics.

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Wham0’s bookkeeper couldn’t keep up with the production figures.

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Workers went into three shifts.

Counting the copiers at home and abroad, hula hoop sales that autumn were reckoned in the tens of millions.

So widespread was their use that European medical journals warned of injuries which might be sustained by enthusiasts.

It was a long list.

In Leiden, Holland, a Dutch woman was being wheeled into surgery for removal of her appendix when her physician found that what was really wrong with her was a torn abdominal muscle, the result of strenuous gyrations inside a hoop.

In England, where a quarter-million hulas had been sold, the British Medical Association cautioned, “No one with a known heart disease should try it, and anyone who is out of training should not go hard at it right away.”

Japanese emergency wards were filling up with hoopers suffering from slipped discs and dislocated backbones.

[illegible]

After a child was killed chasing a runaway hula the hoops were banned from Tokyo streets.

[illegible]

Nevertheless sales there passed the three million mark.

[illegible]

Lines of Japanese waiting to buy more stretched down the Ginza for blocks, and Premier Nobusuke Kishi received one as a gift on his sixty-second birthday.

[illegible]62[illegible]

Queen Mother Zaine of Jordan, returning from a visit to Europe, included a hula in her luggage.

[illegible]

That should have been a guarantee of respectability, but some toy makers were nervous just the same.

[illegible]

One of hooping’s attractions for adult spectators was its suggestiveness on some hips.

[illegible]

An unexpected pleasure at football games that autumn was a view of winsome drum majorettes pumping their loins in a frenzy of excitement as thousands cheered.

A French manufacturer of hoops, Jacques de Saint-Phalle, was afraid the church might notice and object.

Saint-Phalle had a reputation to safeguard; in hoopless times he made his living manufacturing plastic tubing for hospitals and laboratories.

To protect himself he persuaded French celebrities to be photographed hooping.

Finland solved the same problem by staging marathons in which participants had to keep three hulas going, at the neck, hips, and knees.

Elsewhere the American fad swept on, whatever watchers with coarse minds thought.

In Germany it was popularized by the prizefighter Max Schmeling and his wife Anny Ondra.

Germans who had no children, and therefore no easy explanation for buying toys, avoided embarrassment by

having stores deliver them, wrapped, at night.

[illegible]

A party of Belgian explorers leaving for the South Pole disclosed that twenty hoops were in their baggage; the expense was charged to morale.

[illegible]20[illegible]

In some countries hoop shortages were serious.

[illegible]

Correspondents in Johannesburg, where hulas were retailing at sixty-five cents, reported that only white customers could afford them; the natives were restless until charitable organizations started distributing free hoops.

[illegible]

Het Vrije Volk of Amsterdam noted that Dutch industries requiring plastic tubing were at a standstill, and in Warsaw a weekly newspaper for young Poles observed, “If the Ministry of Light Industry and the Chamber of Artisans do not embark upon the production of hoops, we will be seriously delayed in hula hoop progress, especially on the international level.”

[illegible]”[illegible]”

The ministry and the chamber continued to be dilatory, so hulas were smuggled in through East Germany.

[illegible]
The craze receded as quickly as it had spread.

[illegible]

By the summer of 1959 discarded hoops had begun to pile up in city dumps, but the rage had been a singular illustration of how great a grasp even the trivia of American mass culture had on the rest of the world.

[illegible]1959[illegible]

[illegible]

Note

[illegible]: http://www.ruanyifeng.com/blog/2007/09/hula_hoop.html [illegible]: [illegible]

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[illegible]（full employment）[illegible]”[illegible]”（maximum employment, production, and purchasing power）[illegible]（the Council of Economic Advisers）[illegible]

[illegible]

> The Congress hereby declares that it is the continuing policy and responsibility of the Federal Government to use all practicable means consistent with its needs and obligations and other essential considerations of national policy, with the assistance and cooperation of industry, agriculture, labor, and State and local governments, … for the purpose of creating and maintaining, in a manner calculated to foster and promote free competitive enterprise and the general welfare, conditions under which there will be afforded useful employment opportunities, including self-employment, for those able, willing, and seeking to work, and to promote maximum employment, production, and purchasing power.

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“[illegible]”[illegible]

42.

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he did not see that confidence, like mistrust, could be increased,

almost ad infinitum, and that hope was as extravagant as fear. | - Extraordinary Popular Delusions And The Madness Of Crowds, By Charles Mackay

43.

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——[illegible]

44.

[illegible]
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45.

[illegible]
——[illegible]

A politician is one who can make a public cause serve his private ends.

46.

[illegible]
——[illegible]·[illegible]19[illegible]
The first marriage is the triumph of imagination over intelligence,

and the second the triumph of hope over experience. | —Oscar Wilde

47.

[illegible]
——[illegible]
Dark and difficult times lie ahead. Soon we must all face the choice

between what is right and what is easy. | —J. K. Rowling, Harry Potter and the Goblet of Fire: The Movie

48.

[illegible]
——[illegible]
Sometimes you have an instinct. You don’t even know if it’s real.

you’re looking for it so bad. | -Cinderalla

49.

[illegible]
——[illegible]

In most instances, all an argument proves is that two people are present.

50.

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[illegible]The Coming China Wars[illegible]

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Peter Navarro[illegible]

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- “Global stock exchanges were devastated this week by the worst

  collapse in history as a wave of panic selling followed…a Chinese government announcement that it would no longer finance the mounting budget and trade deficits of a ‘profligate United States’.”

- “It’s been a tough year for Sino-US relations. In January, the US

ambassador to the United Nations stormed out in protest over…[China’s] veto to shield terrorist regimes such as Iran from diplomatic sanctions in exchange for oil. In March, China’s president abruptly cancelled a state visit after the US Treasury Department branded China a ‘currency manipulator.’ During an unusually hot August that raised collateral fears of global warming, the US Pacific Fleet engaged in a tense, week-long standoff over Taiwan with China’s [navy].”

- “Meanwhile, domestic unrest in China continues to escalate… A

recent report released by the US Central Intelligence Agency has warned that should such domestic unrest reach a boiling point in China, the result may be ‘sharper military conflicts with the United States, Taiwan, and possibly even Japan as Chinese leaders seek to unify the now increasingly fractured nation against a ‘common enemy.’”

[illegible]

[illegible]

[illegible]”[illegible]”[illegible]Good book to know China problems, Bad book to know China[illegible]

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Amazon[illegible] | * [illegible]Peter Navarro[illegible]

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Mae West [illegible]

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Mae West[illegible]1893-1980[illegible]30[illegible]

[illegible]public obscenity[illegible]

[illegible]30[illegible]

[illegible]

1.

[illegible]

Virtue has its own reward, but has no sale at the box office.

2.

[illegible]

It takes two to get one in trouble.

3.

[illegible]

A man in the house is worth two in the street.

4.

[illegible]

I’m a woman of very few words, but lots of action.

5.

[illegible]

Between two evils, I always pick the one I never tried before.

6.

[illegible]

I generally avoid temptation unless I can’t resist it.

7.

[illegible]

The score never interested me, only the game.

8.

[illegible]

Men are my hobby, if I ever got married I’d have to give it up.

9.

[illegible]

Is that a gun in your pocket, or are you just glad to see me?

10.

[illegible]

I’m no model lady. A model’s just an imitation of the real thing.

11.

[illegible]

When I’m good I’m very, very good, but when I’m bad, I’m better.

12.

[illegible]

Some women pick men to marry—and others pick them to pieces.

13.

[illegible]

When a girl goes bad—men go right after her.

14.

[illegible]

A woman in love can’t be reasonable—or she probably wouldn’t be in love.

15.

[illegible]

The best way to hold a man is in your arms.

16.

[illegible]

Brains are an asset to the woman in love who’s smart enough to hide ‘em.

17.

[illegible]——[illegible]

Love thy neighbor—and if he happens to be tall, debonair and devastating, it will be that much easier.

18.

[illegible]

Marriage is a great institution. No family should be without it.

19.

[illegible]

Marriage is a fine institution, but I’m not ready for an institution.

20.

[illegible]

Don’t keep a man guessing too long—he’s sure to find the answer somewhere else.

21.

[illegible]

Don’t ever make the same mistake twice, unless it pays.

22.

[illegible]
[illegible]
I’d give half my life for just one kiss.
Then kiss me twice.

23.

—— [illegible]
—— [illegible]
Do you like the new styles or the old?
You can say what you like about long dresses, but they cover a

multitude of shins.

24.

[illegible]

Never ask a man where’s he’s been. If he’s out on legitimate business, he doesn’t need an alibi. And, girls, if he has been out on illegitimate business, it’s your own fault.

25.

—— [illegible]
—— [illegible]——[illegible]
What kind of man is most satisfactory?
Personally, I like two types of men—domestic and foreign.

26.

[illegible];[illegible]

Save a boyfriend for a rainy day—and another, in case it doesn’t.

27.

[illegible]

It isn’t what I do, but how I do it. It isn’t what I say, but how I say it, and how I look when I do it and say it.

28.

[illegible]

You only live once, but if you do it right, once is enough.

29.

[illegible]

Sex is like bridge; if you don’t have a good partner, you better have a good hand.

30.

[illegible]

An orgasm a day keeps the doctor away.

31.

[illegible]

Sex with love is the greatest thing in life. But sex without love—

that’s not so bad either.

[illegible]

* [illegible]Mae West[illegible]

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* Pinyin.info: a guide to the writing of Mandaring Chinese in romanization

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> -JASPER: Everything is a mythical cosmic battle between faith and chance….Come on.
>
> [illegible]
>
> -MIRIAM: Maybe I shouldn’t.
>
> [illegible]
>
> - You already did. Take another one….

- Now cough.

(COUGHING)

- What do you taste?

- Strawberries.

- Strawberries? That’s what it’s called. Strawberry Cough.

- So, you’ve got faith over here, right, and chance over there.

- Like yin and yang.

- Sort of.

- Or Shiva and Shakti.

[illegible]

- Lennon and McCan’tney.

[illegible]

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- Look, Julian and Theo.

[illegible]

- Yeah, there you go. Julian and Theo met among a million protestors

in a rally. by chance. But they were there because of what they believed in. in the first place, their faith. They wanted to change the world. And their faith kept them together. But by chance, Dylan was born.

[illegible]

- This is him?

[illegible]

- Yeah, that’s him. He would have been about your age. Magical

child.

[illegible]

- Beautiful.

[illegible]

- Their faith put in praxis.

- What happened?

- Chance. He was their sweet little dream. He had little hands,

little legs, little feet. Little lungs. And in 2008, along came the flu pandemic. And then, by chance, he was gone.

- Oh, Jesus.

- You see, Theo’s faith lost out to chance. So, why bother if life’s

going to make its own choices?

- Watcha! Baby’s got Theo’s eyes.

- JASPER: Yeah.

- MIRIAM: Oh, boy. That’s terrible. But, you know, everything

happens for a reason.

[illegible]

- JASPER: That I don’t know.

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> Faith lost out to chance. So, why bother if life’s going to make its own choices?

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[illegible]·[illegible]Felix Alder[illegible]

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1915[illegible]

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[illegible]Ethical Culture[illegible]

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[illegible]Kenny[illegible]

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Kenny[illegible]

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>
> It takes a certain kind of person to do what I do… No-one's ever impressed; no-one's ever fascinated… If you're a fireman, all the kids will want to jump on the back of the truck and follow you to a fire. There's going to be no kids willing to do that with me. So, I don't do it to impress people - it's a job, it's my trade, and I actually think I'm pretty good at it.

[illegible]Kenny[illegible]……[illegible]

[illegible]Kenny[illegible]2006[illegible]6[illegible]

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Kenny[illegible]……[illegible]

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[illegible]Kenny[illegible]7.0 / 10

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[illegible]A La Claire Fontaine[illegible]

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A La Claire Fontaine

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à la claire fontaine □□□□□□□ M’en allant promener □□□
J’ai trouvé l’eau si belle □□□□□□
Que je m’y suis baigné □□□□□
Il y a longtemps que je t’aime □□□□□
Jamais je ne t’oublierai □□□□
Sous les feuilles d’un chêne □□□□□ Je me suis fait sécher

□□□□□ | Sur la plus haute branche □□□□□□ | Un rossignol chantait □□□□□

Il y a longtemps que je t’aime □□□□□
Jamais je ne t’oublierai □□□□
Chante rossignol chante □□□□□ Toi qui as le cœur gai

□□□□□□□□ | Tu as le cœur à rire □□□□□ | Moi je l’ai à pleurer □□□□□

Il y a longtemps que je t’aime □□□□□
Jamais je ne t’oublierai □□□□
J’ai perdu mon amie □□□□□□□ Sans l’avoir mérité □□□□□□
Pour un bouton de roses □□□□□□□
Que je lui refusai □□□□□
Il y a longtemps que je t’aime □□□□□
Jamais je ne t’oublierai □□□□
Je voudrais que la rose □□□□□□□ Fut encore au rosier □□□□
Et moi et ma ma?tresse □□□□□
Dans les mêmes amitiés □□□□
Il y a longtemps que je t’aime □□□□□
Jamais je ne t’oublierai □□□□
à la claire fontaine □□□□□□□ M’en allant promener □□□
J’ai trouvé l’eau si belle □□□□□□
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Michael Patrick King□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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1. □□Carrie

|carriebradshaw.jpg|

> □□□□□□□Carrie□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
> □□□□□□□□□□□□□Mr. Big□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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>
> When Carrie Bradshaw started, she really thought she knew it all. The joy of the series has been watching her make more and more and more mistakes, and seeing her learn from these mistakes. She can never know his (Mr. Big) name, therefore she can never know what is inside them, which makes great intension.

2. □□Charlotte

|charlotteyork.jpg|

Charlotte[illegible]

The fun of the series has been to look Charlotte around so much. She started to look at the truth of something, rather than at the label of something. Now she looks at the man, the heart and the soul.

3. [illegible]Miranda

|mirandahobbes.jpg|

Miranda[illegible]Steve[illegible]

The fun of Miranda has been she was the one who pushed the people away the most. As we put out a goal to find out a way to make her open up, we must give her a baby. It is very complicated to figure out an unconventional love relationship with Steve Brady. It has really been fun to see her become soft. How much hard it is to be soft when it is to be hard?

4.[illegible]Samantha

|samanthajones.jpg|

[illegible]Samantha[illegible]

Samantha started most away as we just casted. And over years, we have maintained her registered, because that is what we love about her. She is a lion. She is brave. She is a warrior.

5. [illegible]

[illegible]

People found it always just about sex, always just about the fashion. And slowly over the years, people started to see it really about love, and relationships, and sex, and basicly the battlefield of trying to be in love whether being with other person, or with yourself.

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[illegible]·[illegible]Alfred Marshall[illegible]19[illegible]

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(1) Use mathematics as shorthand language, rather than as an engine of inquiry. (2) Keep to them till you have done. (3) Translate into English. (4) Then illustrate by examples that are important in real life (5) Burn the mathematics. (6) If you can’t succeed in 4, burn 3. This I do often.

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[illegible]Ponzi scheme[illegible]

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[illegible]”[illegible]”(Wisconsin V[illegible]Yoder)[illegible]
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> [illegible]
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>
> We must not forget that in the Middle Ages important values of the civilization of the Western World were preserved by members of religious orders who isolated themselves from all worldly influences against great obstacles. There can be no assumption that today’s majority is “right” and the Amish and others like them are “wrong.” A way of life that is odd or even erratic but interferes with no rights or interests of others is not to be condemned because it is different.

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1.1972[illegible]5[illegible]15[illegible]”WISCONSIN v. YODER”[illegible]

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38.[illegible]

[illegible]3.8[illegible]

[illegible]Protestant[illegible]"[illegible]"[illegible]1529[illegible]

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39.[illegible]

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40.[illegible]**Lutheran Churches**[illegible]

[illegible]6300[illegible]

[illegible]·[illegible]

41.[illegible]**Presbyterian Churches**[illegible]**Reformed Churches**[illegible]

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[illegible]·[illegible]Huldreich Zwingli[illegible]·[illegible]John Calvin[illegible]16[illegible]20[illegible]30[illegible]

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[illegible]presbyters[illegible]

42.[illegible]**Anglican Churches**[illegible]

[illegible]

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43.[illegible]**The Book of Common Prayer**[illegible]

[illegible]·[illegible]1549[illegible]

44.[illegible]**The Congregational Churches**[illegible]

[illegible]17[illegible]”[illegible]”[illegible]·[illegible]

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45.[illegible]**Baptist Churches**[illegible]

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46.[illegible]**Methodist Churches**[illegible]

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47.[illegible]**Mennonites**[illegible]

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48.[illegible]**The society of Friends**[illegible]

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49. □□□□**The Salvation Army**□

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1054[illegible]patriarch[illegible]”[illegible]”[illegible]filioque[illegible]1054[illegible]

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21. [illegible]

[illegible]sacrament[illegible]

[illegible]”[illegible]”

[illegible]16[illegible]·[illegible]

22. [illegible]**Baptism**[illegible]

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23. [illegible]**Confirmation**[illegible]

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24. [illegible]**Eucharist**[illegible]

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25. [illegible]Penance[illegible]

[illegible]”[illegible]”[illegible]

26. [illegible]Holy orders or ordination[illegible]

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27.[illegible]Marriage or matrimony[illegible]

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28. [illegible]Anointing of the sick[illegible]

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29. [illegible]

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[illegible]priest[illegible]deacon[illegible]

30.[illegible]**orders**[illegible]

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[illegible]Jesuits[illegible]Franciscans[illegible]Dominicans[illegible]

31. [illegible]**Mary**[illegible]

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7. [illegible]

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8. [illegible]

[illegible]”[illegible]”[illegible]baptism[illegible]

9. [illegible]

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10. [illegible]

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A-1 BOSTON, MASSACHUSETTS. B-2 NEW YORK, NEW YORK. C-3 PHILADELPHIA,

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7. [illegible]

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> * **A commitment to, and justifiable pride** in, the quality of our publications and services and the value they provide to customers.
>
> * A commitment to **uncompromising journalistic and business integrity**.

* **A strong sense of journalistic and business independence**, taking pride in charting our own course rather than following the pack.

* **A clear focus** on content as our core competency and on business as our primary market.

* **A strong sense of loyalty** to our publications and services, based on a conviction that they serve a genuine public interest.

* **A belief in civility and collegiality** in our Dow Jones workplace, recognizing the importance of all of our employees to our success.

* **A conviction** at Dow Jones that by pursuing all of these values we can best build value for shareholders.

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> Beijing’s growing dollar hoard represents the most dangerous
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I’m always packed

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How long you think it’ll take you to pack?

Jerry□□□

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”These are the times that try men’s souls” Edmund Burke Google Thomas Paine 1776 common sense

” ”

This is the time that try your soul

> The harder the conflict, the more glorious the triumph. What we obtain too cheap, we esteem too lightly: it is dearness only that gives every thing its value.

”The summer soldier and the sunshine patriot will, in this crisis, shrink from the service of their country.”

P.S.

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[illegible]We choose to write an obituary when it’s clear that the person in question had made a significant impact in a particular field, on the larger society or some segment of it, on the country, or even on the world. If the individual meets that test, then his or her death is news that we feel our national readership should know about. [illegible]

[illegible]A decision not to write an obituary should not be construed as a judgment on the worthiness of a person’s life. We wouldn’t presume to make that kind of call. Besides, it’s not our job to celebrate lives, accomplished and successful though they may be. There may be a popular misconception in the air about that — that the obit is something of a lifetime achievement award. It’s not. If it were, we could fill up an entire paper every day with such tributes. [illegible]

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Dr. Jonathan Spicehandler, 57, Who Led Research at Drug Maker, Dies

Frederick G. Kilgour, Innovative Librarian, Dies at 92

Anthony Cave Brown, 77, Historian of Espionage, Is Dead

Harold Scott, 70, Director Who Broke Racial Barriers, Dies

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28.

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“Pray, n:. To ask that the laws of the universe be annulled in behalf

of a single petitioner confessedly unworthy.” | - Ambrose Bierce

29.

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“Now, now my good man, this is no time for making enemies.”
- Voltaire, on his deathbed in response to a priest asking that he

renounce Satan.

30.

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[illegible]·[illegible]1943-1971[illegible]

“There are things known and there are things unknown and in between are the Doors.” -Jim Morrison

31.

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People are afraid of themselves, of their own reality; their feelings most of all. People talk about how great love is, but that’s bullshit. Love hurts. Feelings are disturbing. People are taught that pain is evil and dangerous. How can they deal with love if they’re afraid to feel? Pain is meant to wake us up. People try to hide their pain. But they’re wrong. Pain is something to carry, like a radio. You feel your strength in the experience of pain. It’s all in how you carry it. That’s what matters. Pain is a feeling. Your feelings are a part of you. Your own reality. If you feel ashamed of them, and hide them, you’re letting society destroy your reality. You should stand up for your right to feel your pain. -Jim Morrison

32.

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Unhappy is the land that needs a hero. -Goethe, Faust

33.

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How I wish, how I wish you were here.

We’re just two lost souls swimming in a fish bowl year after year.

-Pink Floyd, Wish You Were Here

34.

[illegible]
[illegible] [illegible]·[illegible]1842-1910[illegible]

A great many people think they are thinking when they are merely rearranging their prejudices. -William James

35.

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[illegible]·[illegible]1969[illegible]6[illegible]1970[illegible]
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Paranoia is just a higher form of awareness. -Charles Manson

37.

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If you are alone you belong entirely to yourself. If you are accompanied by even another companion you belong only half to yourself, or even less. -Leonardo Da Vinci

38.

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[illegible] [illegible]·[illegible]1979[illegible]

Good people will do good things. Evil people will do evil things. But for good people to do evil things, that takes religion. -Steven Weinberg

39.

[illegible]
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I do not know what I may appear to the world, but to myself I seem to have been only like a boy playing on the seashore, diverting myself in now and then finding a smoother pebble or a prettier shell than ordinary, whilst the great ocean of truth lay all undiscovered before me.—Sir Isaac Newton

40.

[illegible]
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So far, about morals, I know only that what is moral is what you feel

good after | and what is immoral is what you feel bad after.-Ernest Hemingway

41.

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He didn’t really care who won the war. Either way, life would be hard.

Though it would be a little harder if Germany won. | And in either case, one’s personal battles would continue. -Malcolm Lowry, Under the Volcano

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15.

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—— Zachary Scott[illegible]40[illegible]
As you grow older, you’ll find the only things you regret are the

things you didn’t do. | -Zachary Scott

16.

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He who fights with monsters might take care lest he thereby become a monster. And if you gaze for long into an abyss, the abyss gazes also into you. -Friedrich Nietzsche

17.

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The intelligent man who is proud of his intelligence is like the condemned man who is proud of his large cell. - Simone Weil

18.

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The mass of men lead lives of quiet desperation and go to the grave with the song still in them. -Henry David Thoreau

19.

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And beauty is a form of genius - it is higher, indeed, than genius as

it needs no explanation. | -Oscar Wilde, The Picture of Dorian Gray

20.

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“Do not take life too seriously. You will never get out alive.” — Elbert Hubbard

21.

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The most beautiful and profound emotion we can experience is the mystical. It is the source of all true art and science. -Albert Einstein

22.

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Every phenomenon on earth is symbolic, and each symbol is an open gate

through which the soul, if it is ready, can enter into the inner part of the world, where you and I and day and night are all one. -Hermann Hesse | 23.

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[illegible] Anthony Damiani (1922-1984) [illegible]

Most people don’t know or don’t accept the fact that if they had no thoughts they would be happy. -Anthony Damiani

24.

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“Life is pleasant. Death is peaceful. It’s the transition that’s

troublesome.” | - Isaac Asimov

25.

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Never express yourself more clearly than you are able to think.
- Niels Bohr

26.

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“University politics are vicious precisely because the stakes are so

small.” | - Henry Kissinger

27.

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“The object of war is not to die for your country but to make the

other bastard die for his.” | - General George Patton

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1789[illegible]9[illegible]Bill of Rights[illegible]

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3.

Amendment I

Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.

[illegible]

Comment: The First Amendment guarantees freedom of speech, freedom of the press, and freedom of association and assembly. It also protects the rights of citizens to worship as they please and the right not to be forced to support someone else’s religion. The First Amendment also provides for the right to demand a change in government policies.

Amendment II

A well regulated Militia, being necessary to the security of a free State, the right of the people to keep and bear Arms, shall not be infringed.

[illegible]

Comment: Legal scholars disagree about what right is protected by the Second Amendment. Some scholars have concluded that this amendment affirms a broad individual right to gun ownership. Others interpret the amendment as protecting only a narrow right to possess firearms as members of a militia. Supreme Court decisions have not resolved the debate. However, the courts have held that the Second Amendment does not preclude certain government regulations on gun ownership, such as laws prohibiting ownership of firearms by felons.

Amendment III

No Soldier shall, in time of peace be quartered in any house, without the consent of the Owner, nor in time of war, but in a manner to be prescribed by law.

□□

Comment: The Third Amendment forbids the government from quartering soldiers in private residences during peacetime without the resident’s permission, and during wartime only according to law. Under British rule, American colonists were forced to feed and house British soldiers deployed to help enforce colonial tax laws. The colonists resented this practice, and so banned it with this amendment. This amendment has been basically irrelevant since the end of the American Revolution (1775-1783).

Amendment IV

The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

[illegible]

Comment: The Fourth Amendment prohibits the police and other government officials from searching people's homes or offices or seizing their property without reasonable grounds to believe that a crime has been committed. In most cases, police can conduct a search of a person's home or office only after they get a written search warrant from a judge, detailing where they will search and what they expect to find.

Amendment V

No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a Grand Jury, except in cases arising in the land or naval forces, or in the Militia, when in actual service in time of War or public danger; nor shall any person be subject for the same offence to be twice put in jeopardy of life or limb; nor shall be compelled in any criminal case to be a witness against himself, nor be deprived of life, liberty, or property, without due process of law; nor shall private property be taken for public use, without just compensation.

[illegible]

Comment: The Fifth Amendment provides five important protections against arbitrary government actions. First, no one may be prosecuted for a federal crime without first being indicted (formally accused) by a grand jury. Second, a criminal suspect may be prosecuted only once for each crime. If a jury acquits the accused person, there can be no

retrial. Third, a person cannot be forced to testify against himself or herself in any criminal case. This is the right against self-incrimination. Fourth, the due process clause bars the government from arbitrarily depriving anyone of life, liberty, or property. Fifth, the government may not take anyone's private property unless it is necessary for a public purpose and unless the government pays a fair price for it.

Amendment VI

In all criminal prosecutions, the accused shall enjoy the right to a speedy and public trial, by an impartial jury of the State and district wherein the crime shall have been committed, which district shall have been previously ascertained by law, and to be informed of the nature and cause of the accusation; to be confronted with the witnesses against him; to have compulsory process for obtaining witnesses in his favor, and to have the Assistance of Counsel for his defence.

[illegible]

Comment: The Sixth Amendment guarantees people accused of crimes the right to a speedy and public trial. Defendants in federal cases are entitled to be tried in the area in which the crime was committed, and both state and federal defendants have the right to have an impartial jury decide their guilt or innocence. The Sixth Amendment prohibits the government from prosecuting an accused person without first informing him or her of the nature of the charges against him or her. The accused has the right to "confront"—that is, to cross-examine witnesses who testify against him or her at trial. Those accused also have a right

to subpoena (compel) supporting witnesses to testify in court and to have a lawyer assist in their legal defense.

Amendment VII

In suits at common law, where the value in controversy shall exceed twenty dollars, the right of trial by jury shall be preserved, and no fact tried by a jury, shall be otherwise reexamined in any Court of the United States, than according to the rules of the common law.

Comment: The Seventh Amendment, which does not apply to the states, guarantees the right to a jury in some types of federal civil (noncriminal) trials.

Amendment VIII

Excessive bail shall not be required, nor excessive fines imposed, nor cruel and unusual punishments inflicted.

Comment: The courts must allow most criminal defendants out of jail before their trial if the defendants put up a reasonable bail—a financial guarantee that they will come to the trial. If a person is convicted of a crime, the government cannot impose unreasonable fines or inflict inhumane punishments. What is “cruel and unusual” has no fixed meaning, and so decisions interpreting the clause are sometimes controversial. The Supreme Court has generally held that a punishment that is wildly disproportionate to the crime committed is cruel and unusual. The Court has also upheld the death penalty against claims that putting

someone to death, regardless of what that person did, is cruel and unusual.

Amendment IX

The enumeration in the Constitution, of certain rights, shall not be construed to deny or disparage others retained by the people.

[illegible]

Comment: The Ninth Amendment declares that just because certain rights are not mentioned in the Constitution does not mean that they do not exist. Courts may not infer from the silence of the Constitution that an unlisted right is unavailable to protect individuals from the government.

Amendment X

The powers not delegated to the United States by the Constitution, nor prohibited by it to the States, are reserved to the States respectively, or to the people.

[illegible]

Comment: The Tenth Amendment restates a fundamental constitutional rule: If a particular power was not assigned to the federal government by the Constitution itself, then the states may exercise the power, unless the Constitution also prohibits the states from exercising it. The Tenth Amendment also states that people are free to act, without permission of the federal government, in areas outside the scope of the federal government’s powers.

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We are all in the gutter, but some of us are looking at the stars.
-Oscar Wilde

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There is nothing so useless as doing efficiently that which should not

be done at all. | -Peter F. Drucker

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Beauty is power, a smile is its sword.
-Charles Reade

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Watching a peaceful death of a human being reminds us of a falling

star; one of a million lights in a vast sky that flares up for a brief moment only to disappear into the endless night forever. | - Elisabeth Kuebler-Ross

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The mind I love must have wild places, a tangled orchard where dark

damsons drop in the heavy grass, an overgrown little wood, the chance of a snake or two, a pool that nobody's fathomed the depth of, and paths threaded with flowers planted by the mind. | - Katherine Mansfield

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The true beloveds of this world are in their lover's eyes: lilacs

opening, ship lights, school bells, a landscape, remembered conversations, friends, a child's Sunday, lost voices, one's favorite suit, autumn and all seasons, memory, yes, it being the earth and water of existence, memory. | -Truman Capote "Other Voices, Other Rooms"

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Veni Vidi Vici.
(I came.I saw, I conquered,)
-Probably not Julius Caesar

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The opposite of love is not hate, but indifference.
-Elie Wiesel

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—— [illegible]·[illegible]1922[illegible]1988[illegible]
“Physics isn’t a religion. If it were, we’d have a much easier time

raising money.” | Leon Lederman

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Many people would sooner die than think. In fact they do.
— Bertrand Russell

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“Love is the only thing that we can carry with us when we go, and it

makes the end so easy.” | — Louisa May Alcott, “Little Women”

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Why live, if living is merely not dying?
— Simone de Beauvoir, “All Men are Mortal”

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I don’t want to live. I want to love, and live incidentally.
-Zelda Fitzgerald

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God gave us memories so that we might have roses in December.
- James M. Barrie

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>
> [illegible]rms@stallman.org[illegible]
>
> I’m a single atheist white man, 52, reputedly intelligent, with unusual interests in politics, science, music and dance.
>
> I’d like to meet a woman with varied interests, curious about the world, comfortable expressing her likes and dislikes (I hate struggling to guess), delighting in her ability to fascinate a man and in being loved tenderly, who values joy, truth, beauty and justice more than “success”—so we can share bouts of intense, passionately kind awareness of each other, alternating with tolerant warmth while we’re absorbed in other aspects of life.

My 22-year-old child, the Free Software Movement, occupies most of my life, leaving no room for more children, but I still have room to love a sweetheart. I spend a lot of my time traveling to give speeches, often to Europe, Asia and Latin America; it would be nice if you were free to travel with me some of the time.

If you are interested, write to rms at stallman dot org and we’ll see where it leads.

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Where Does Talent Really Come From?

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Anders Ericsson 58 Florida d ” ” Expert performers — whether in memory or surgery, ballet or computer programming — are nearly always made, not born.

” ” deliberate practice

” ”

1 setting specific goals

2 obtaining immediate feedback

3 concentrating as much on technique as on outcome

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A Star Is Made

By STEPHEN J. DUBNER and STEVEN D. LEVITT

[illegible]2006[illegible]5[illegible]7[illegible]New York Times Magazine[illegible]

The Birth-Month Soccer Anomaly

If you were to examine the birth certificates of every soccer player in next month's World Cup tournament, you would most likely find a noteworthy quirk: elite soccer players are more likely to have been born in the earlier months of the year than in the later months. If you then examined the European national youth teams that feed the World Cup and professional ranks, you would find this quirk to be even more pronounced. On recent English teams, for instance, half of the elite teenage soccer players were born in January, February or March, with the other half spread out over the remaining 9 months. In Germany, 52 elite youth players were born in the first three months of the year, with just 4 players born in the last three.

What might account for this anomaly? Here are a few guesses: a)

certain astrological signs confer superior soccer skills; b) winter-born babies tend to have higher oxygen capacity, which increases soccer stamina; c) soccer-mad parents are

more likely to conceive children in springtime, at the annual peak of soccer mania; d) none of the above. | Anders Ericsson, a 58-year-old psychology professor at Florida State University, says he believes strongly in “none of the above.” He is the ringleader of what might be called the Expert Performance Movement, a loose coalition of scholars trying to answer an important and seemingly primordial question: When someone is very good at a given thing, what is it that actually makes him good?

Ericsson, who grew up in Sweden, studied nuclear engineering until he realized he would have more opportunity to conduct his own research if he switched to psychology. His first experiment, nearly 30 years ago, involved memory: training a person to hear and then repeat a random series of numbers. “With the first subject, after about 20 hours of training, his digit span had risen from 7 to 20,” Ericsson recalls. “He kept improving, and after about 200 hours of training he had risen to over 80 numbers.”

This success, coupled with later research showing that memory itself is not genetically determined, led Ericsson to conclude that the act of memorizing is more of a cognitive exercise than an intuitive one. In other words, whatever innate differences two people may exhibit in their abilities to memorize, those differences are swamped by how well each person “encodes” the information. And the best way to learn how to encode information meaningfully, Ericsson determined, was a process known as deliberate practice.

Deliberate practice entails more than simply repeating a task — playing a C-minor scale 100 times, for instance, or hitting tennis serves until your shoulder pops out of its socket. Rather, it involves setting specific goals, obtaining immediate feedback and concentrating as much on technique as on outcome.

Ericsson and his colleagues have thus taken to studying expert performers in a wide range of pursuits, including soccer, golf, surgery, piano playing, Scrabble, writing, chess, software design, stock picking and darts. They gather all the data they can, not just performance statistics and biographical details but also the results of their own laboratory experiments with high achievers.

Their work, compiled in the "Cambridge Handbook of Expertise and

Expert Performance," a 900-page academic book that will be published next month, makes a rather startling assertion: the trait we commonly call talent is highly overrated. Or, put another way, expert performers — whether in memory or surgery, ballet or computer programming — are nearly always made, not born. And yes, practice does make perfect. These may be the sort of clichés that parents are fond of whispering to their children. But these particular clichés just happen to be true. | Ericsson's research suggests a third cliché as well: when it comes to choosing a life path, you should do what you love — because if you don't love it, you are unlikely to work hard enough to get very good. Most people naturally don't like to do things they aren't "good" at. So they often give up, telling themselves they simply don't possess the talent for math or skiing or the violin. But what they really lack is the desire to be good and to undertake the deliberate practice that would make them better.

"I think the most general claim here," Ericsson says of his work, "is that a lot of people believe there are some inherent limits they were born with. But there is surprisingly little hard evidence that anyone could attain any kind of exceptional performance without spending a lot of time perfecting it." This is not to say that all people have equal

potential. Michael Jordan, even if he hadn't spent countless hours in the gym, would still have been a better basketball player than most of us. But without those hours in the gym, he would never have become the player he was.

Ericsson's conclusions, if accurate, would seem to have broad applications. Students should be taught to follow their interests earlier in their schooling, the better to build up their skills and acquire meaningful feedback. Senior citizens should be encouraged to acquire new skills, especially those thought to require "talents" they previously believed they didn't possess.

And it would probably pay to rethink a great deal of medical training. Ericsson has noted that most doctors actually perform worse the longer they are out of medical school. Surgeons, however, are an exception. That's because they are constantly exposed to two key elements of deliberate practice: immediate feedback and specific goal-setting.

The same is not true for, say, a mammographer. When a doctor reads a

mammogram, she doesn't know for certain if there is breast cancer or not. She will be able to know only weeks later, from a biopsy, or years later, when no cancer develops. Without meaningful feedback, a doctor's ability actually deteriorates over time. Ericsson suggests a new mode of training. "Imagine a situation where a doctor could diagnose mammograms from old cases and immediately get feedback of the correct diagnosis for each case," he says. "Working in such a learning environment, a doctor might see more different cancers in one day than in a couple of years of normal practice." | If nothing else, the insights of Ericsson and his Expert Performance compatriots can

explain the riddle of why so many elite soccer players are born early in the year.

Since youth sports are organized by age bracket, teams inevitably have a cutoff birth date. In the European youth soccer leagues, the cutoff date is Dec. 31. So when a coach is assessing two players in the same age bracket, one who happened to have been born in January and the other in December, the player born in January is likely to be bigger, stronger, more mature. Guess which player the coach is more likely to pick? He may be mistaking maturity for ability, but he is making his selection nonetheless. And once chosen, those January-born players are the ones who, year after year, receive the training, the deliberate practice and the feedback — to say nothing of the accompanying self-esteem — that will turn them into elites.

This may be bad news if you are a rabid soccer mom or dad whose child was born in the wrong month. But keep practicing: a child conceived on this Sunday in early May would probably be born by next February, giving you a considerably better chance of watching the 2030 World Cup from the family section.

Stephen J. Dubner and Steven D. Levitt are the authors of "Freakonomics: A Rogue Economist Explores the Hidden Side of Everything." More information on the research behind this column is at www.freakonomics.com.

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> thousands at his bidding speed
> And post o’er land and ocean without rest;
> They also serve who only stand and wait.”

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> In the implementation of policy for the immediate future, the Committee seeks to maintain the existing degree of pressure on reserve positions. In the context of the Committee’s long-run objectives for price stability and sustainable economic growth, and giving careful consideration to economic, financial, and monetary developments, **somewhat greater reserve restraint would or slightly lesser reserve restraint might be acceptable in the intermeeting period.**

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Japan Awaits a Democratic China

By TARO ASO

March 13, 2006; Page A18

TOKYO — I am positive on China. Already the biggest trading partner in our history if combined with Hong Kong, China has powered our recent economic recovery. Going forward, our codependence will only become more pronounced. I welcome China's return to center stage in East Asia — as long as China evolves into a liberal democracy. And I believe it will.

Democracy in Asia is spreading. Not so long ago, a Japanese prime minister would have to fly south overnight to Canberra to meet our nearest democratic neighbor. Now, he can fly west for only two hours to Seoul, capital of one of the world's most vibrant democracies.

China's turn is imminent, and I am positive on the prospects for this evolution. Citizens of Japan, South Korea and Indonesia can all attest that prolonged economic development creates a stable middle class, which in turn provides a springboard for greater political representation. The question is no longer "whether," but "at what speed" China will metamorphose into a fully democratic nation. I can assure our friends in China that Japan is committed to China's success to that end.

Imagine: In 20 years, China's influence in Japan will be enormous. Chinese holiday makers, from students to the retired, will be the largest consumers of Japanese tourism, filling favorite tourist spots like Kyoto. Tokyo's taxi drivers will speak Chinese, not English. China will be one of the largest investors in Japan's economy. A considerable proportion of the shares traded in Tokyo will rest in Chinese hands. Today, Japanese companies go to New York for investor marketing trips — soon, they will fly to Shanghai first.

In truth, there is little new or surprising about these scenarios, considering Asia's historical context. China is not emerging afresh as a world power, as many claim; it is, in fact, reclaiming its historical prominence. My hope is that China recognizes that there is no longer a place for an empire. Rather, the guiding principles in today's world are global interdependence and the international harmony that can engender.

China’s history is one of extremes. In 1842, the pendulum swung to one extreme when the Qing dynasty was defeated in the Opium War and fell under the coercive power of the West. In 1949, the mainland swung to another extreme, as Mao Zedong ushered in the Great Leap Forward and the Cultural Revolution — both now seen as misguided policies. Until recently, the Chinese did not have the luxury of striking a balance between vision and reality, between who they are and who they wish to be.

Crucially, China can learn from Japan’s missteps — we have “been there, done that.” Japan has experienced extreme nationalism twice in the last century. A telling incident occurred in 1964, shortly before the opening of the Tokyo Olympic Games, when a Japanese teenager stabbed Edwin O. Reischauer, then American ambassador to Japan. At the time, Japanese emotions still ran high at the thought of U.S. power and influence. Beijing’s leaders can learn from such Japanese experiences to better manage their own rising nationalism. Environmental degradation, which suffocated Japan in the 1960s and 1970s, is another area where China can learn from Japan’s mistakes, just as we hope China is also inspired by our successes.

In terms of military presence, Japan is Asia’s natural stabilizer. The U.S. and Japan have the world’s longest-standing security partnership. It is transparent and a relationship between two democracies. Acting alone, the Japanese or the Americans might raise a few eyebrows; acting together, there is no room for misunderstanding. China and every other Asian nation can continue to count on the built-in stabilizer provided jointly by Japan and America, a common good that is readily available to Beijing. Hence my request that Beijing fully disclose its defense spending, which has remained opaque yet — as Beijing admits — has more than trebled over the last 10 years.

A final reflection on Japan's post-war record: I can say with confidence that, with a few exceptions, Japan has conducted itself openly and treated neighboring nations as peers. As a self-proclaimed "techie," I have called the attitude that Japan has shown toward its neighboring nations one of "P2P," or peer-to-peer relations.

I would like these thoughts to resonate widely, especially with the citizens of China. For this reason, I have asked my colleagues at the Japanese Foreign Ministry to create a multi-year student-exchange program that is absolutely positive, like my vision of China's future.

I would very much like Japan's youth to look warmly at China. The growth of China must hinder no one's interests. Our new program will facilitate the exchange of thousands of Japanese and Chinese high school students, enabling these young ambassadors to stay in ordinary homes in each other's nations and planting the seeds of mutual understanding. If our program is successful, in 20 years' time Japanese men and women with first-hand knowledge of China will view the Chinese among their closest friends. And many more Chinese will feel the same about Japan.

Mr. Aso is Japan's foreign minister.

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Life was never a May-game for men; in all times the lot of the dumb-millions born to toil was defaced with manifold sufferings, injustices, heavy burdens, avoidable and

unavoidable; not play at all, but hard work that made the sinews sore, and the heart sore. …

And yet I will venture to believe that in no time, since the beginnings of Society, was the lot of those same dumb millions of toilers so entirely unbearable as it is even in the days now passing over us. It is not to die, or even to die of hunger, that makes a man wretched; many men have died; all men must die; - the last exit of us all is in a Fire Chariot of Pain. But it is to live miserable we know not why; to work sore and yet gain nothing; to be heart-worn, weary, yet isolated, unrelated, girt in with a cold universal Laissez-faire: it is to die slowly all our life long, imprisoned in a deaf, dead Infinite Injustice, - as in the accursed iron belly of a Phalaris Bull! This is and remains forever intolerable to all men whom God has made. Do we wonder at French Revolutions, Chartisms Revolts of Three Days? The times, if we will consider them, are really unexampled.

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A lady having at this time solicited him to obtain the Archbishop of Canterbury’s patronage to have her son sent to the University, one of those solicitations which are too frequent, where people, anxious for a particular object, do not consider propriety, or the opportunity which the persons whom they solicit have to assist them, he wrote to her the

following answer, with a copy of which I am favoured by the Reverend Dr. Farmer, Master of Emanuel College, Cambridge.——

'MADAM,—I hope you will believe that my delay in answering your letter could proceed only from my unwillingness to destroy any hope that you had formed. Hope is itself a species of happiness, and, perhaps, the chief happiness which this world affords: but, like all other pleasures immoderately enjoyed, the excesses of hope must be expiated by pain; and expectations improperly indulged, must end in disappointment. If it be asked, what is the improper expectation which it is dangerous to indulge, experience will quickly answer, that it is such expectation as is dictated not by reason, but by desire; expectation raised, not by the common occurrences of life, but by the wants of the expectant; an expectation that requires the common course of things to be changed, and the general rules of action to be broken.

'When you made your request to me, you should have considered, Madam, what you were asking. You ask me to solicit a great man, to whom I never spoke, for a young person whom I had never seen, upon a supposition which I had no means of knowing to be true. There is no reason why, amongst all the great, I should chuse to supplicate the Archbishop, nor why, among all the possible objects of his bounty, the Archbishop should chuse your son. I know, Madam, how unwillingly conviction is admitted, when interest opposes it; but surely, Madam, you must allow, that there is no reason why that should be done by me, which every other man may do with equal reason, and which, indeed no man can do properly, without some very particular relation both to the Archbishop and to you. If I could help you in this exigence by any proper means, it would give me pleasure; but this proposal is so very remote

from all usual methods, that I cannot comply with it, but at the risk of such answer and suspicions as I believe you do not wish me to undergo.

‘I have seen your son this morning; he seems a pretty youth, and will, perhaps, find some better friend than I can procure him; but, though he should at last miss the University, he may still be wise, useful, and happy. I am, Madam, your most humble servant,

‘June 8, 1762.’

‘SAM. JOHNSON.’

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